



File number : 00942690.9

23.04.03

Final Instructions

for closing an application (loss of all rights).

FINDING:

1. No use has been made of any of the legal remedies available.
 - The decision refusing the: appeal / application for reestablishment of rights / request for further processing has become final.
2. The application will not be dealt with as a European patent application (Rule 39 EPC).
 - The decision refusing the application has become final.
 - The application is deemed to be withdrawn.
3. Form 1320 has been dispatched (if necessary).
4. The return of Form 1320 is to be controlled by coding "BEEF".

The Hague,

.....
(Formalities Officer)

FINDING:

5. Checked with regard to costs; where applicable, refund ordered (RFAC).

INSTRUCTIONS:

- 080102
6. ADWI(3) or REFU(3) and DEAD have been coded.

The Hague, 02-07-2003

Mailliard, Nathalie
(Formalities Officer)



P.B. 5818 - Patentlaan 2
 2280 HV Rijswijk (ZH)
 ☎ +31 70 340 2040
 TX 31651 epo nl
 FAX +31 70 340 3016

Europäisches
 Patentamt

Eingangsstelle

European
 Patent Office

Receiving
 Section

Office européen
 des brevets

Section de
 Dépôt

Iviewit Holdings, Inc.
 505 North Brand Boulevard,
 Suite 1420
 Glendale, CA 91203
 ETATS-UNIS D'AMERIQUE

EPA EPO OEB
 tel: (070) 3402013

23 OKT. 2002



Mailroom

Datum/Date 08-10-2002

Zeichen/Ref./Réf.	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 00942690.9-1247-PCT/US0015602
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Iviewit Holdings, Inc.	

I) NOTING OF LOSS OF RIGHTS PURSUANT TO RULE 69(1) EPC

The European patent application cited above is deemed to be withdrawn (Rule 108(1) EPC) for the following reason(s):

- (a) () translation of the international application into one of the EPO's official languages (Art. 158(2) EPC) not filed within the period specified in Rule 107(1)(a) EPC
- (b)  national basic fee () search fee
 designation fees
 examination fee and/or written request for examination
 not validly paid/not made within the time limit specified in Rule 107(1)(c)-(f) EPC
- (c) () payment of the above fees on , after expiry of the period for payment (on 00.00.00).

II) MEANS OF REDRESS:

(1) The loss of rights [(a)(b)] shall be deemed not to have occurred if, within a (non-extendable) period of TWO MONTHS of notification of this communication, the relevant requirement(s) has (have) been fulfilled and the appropriate surcharge(s) under Article 2(3b)(3c) RFees has (have) been paid (Rule 108(3) EPC).

If fees were paid late [(c)], the requirement(s) as specified in Article 8(3)(4) RFees is (are) to be fulfilled within the same time limit.

(2) If, however, the applicant considers that this finding is inaccurate, he may apply in writing for an EPO decision on the matter (Rule 69(2) EPC) within the same time limit, i.e. that specified in (1).

Encl.: Schedule of Fees
 REGISTERED LETTER

7002000 30/09/02 --/2



The finding will be set aside only if it does not actually correspond to the factual or legal situation.

The applicant's rights with regard to fee payment or filing the written request for examination cannot be re-established under Article 122 EPC.

(3) If, in spite of all due care required by the circumstances having been taken, the applicant was unable to OBSERVE THE TIME LIMIT FOR FILING THE TRANSLATION, he will, upon application, have his rights re-established provided that the time limits and formal requirements laid down in Article 122 EPC are complied with.

NOTE: Applicants not having either a residence or principal place of business within the territory of one of the EPC contracting states must have the above request under Article 122 EPC or Rule 69(2) EPC filed by a professional representative authorised to act before the EPO.

RECEIVING SECTION



Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.

Blatt/Page/Feuille

00942690.9

2

Gebühren für europäische Patentanmeldungen in EURO geltend ab 03.01.02
Fees for European patent applications in EURO effective as from 03.01.02
Taxes pour les demandes de brevet européen en EURO applicables à compter du 03.01.02

Anmeldegebühr (nationale Grundgebühr). Filing fee (national basic fee). Taxe de dépôt (taxe nationale de base).	125,00
Recherchegebühr. Search fee. Taxe de recherche.	690,00 (1) 869,00 (2)
Benennungsgebühr für jeden benannten Vertragsstaat (siebenfacher Betrag (1) = alle Vertragsstaaten) Designation fee for each contracting state designated (seven times the amount (1) = all contracting states). Taxe de désignation pour chaque Etat contractant désigné (sept fois cette taxe (1) = tous les Etats contractants).	75,00
Zuschlagsgebühr zur Anmeldegebühr und/oder zur Recherchegebühr: 50% der betreffenden Gebühr, höchstens insgesamt. Surcharge on the filing fee and/or the search fee: 50% of the relevant fee, but not to exceed a total of: Surtaxe à la taxe de dépôt et/ou à la taxe de recherche: 50% de la taxe concernée, sans que le montant total puisse dépasser:	650,00
Anspruchsgebühr für den elften und jeden weiteren Anspruch. Claims fee for the eleventh and each subsequent claim. Taxe pour chaque revendication à partir de la onzième.	40,00
Pauschalgebühr für eine zusätzliche Abschrift der im Europäischen Recherchenbericht aufgeführten Schriften. Flat-rate fee for an additional copy of the documents cited in the European search report. Taxe forfaitaire pour une copie supplémentaire des documents cités dans le rapport de recherche européenne.	20,00
Prüfungsgebühr. Examination fee. Taxe d'examen.	1430,00
Zuschlagsgebühr für die verspätete Stellung des Prüfungsantrags (Regel 85b EPÜ): 50% der Prüfungsgebühr. Surcharge for late filing of the request for examination (Rule 85b EPC): 50% of the examination fee. Surtaxe pour présentation tardive de la requête en examen (Règle 85b CBE): 50% de la taxe d'examen.	715,00

Applicable to international applications only: Nur anwendbar für internationale Anmeldungen: Applicable aux demandes internationales seulement:	
Zuschlagsgebühr für die verspätete Einreichung der Übersetzung der internationalen Anmeldung oder die verspätete Stellung des Prüfungsantrags oder die verspätete Entrichtung der nationalen Grundgebühr, der Recherchegebühr oder der Benennungsgebühren (Regel 108 Absatz 3): 50% der betreffenden Gebühren, jedoch mindestens 500 EUR bei verspäteter Einreichung der Übersetzung und insgesamt höchstens	
Surcharge for late filing of either the translation of the international application or the request for examination, or for late payment of the national basic fee, the search fee or the designation fee (Rule 108(3)): 50% of the relevant fees, but at least EUR 500 for late filing of the translation, up to a maximum of	1750,00
Surtaxe pour production tardive de la traduction de la demande internationale, pour présentation tardive de la requête en examen ou pour retard de paiement de la taxe nationale de base, de la taxe de recherche ou des taxes de désignation (règle 108, paragraph 3): 50% des taxes concernées, sans que le montant puisse être inférieur à 500 EUR en cas de production tardive de la traduction et sans que le montant total puisse dépasser	

(1) = Anwendbar für europäische und internationale Anmeldungen, die **ab 1. Juli 1999 eingereicht** werden (ABI, EPA Nr. 11/2001).
 Applicable to European and International applications **filed on or after 1 July 1999** (OJ EPO 11/2001).
 Applicable aux demandes européennes et Internationales **déposées à partir du 1er juillet 1999** (JO OEB no 11/2001).

(2) = Anwendbar für europäische und internationale Anmeldungen, die **bis 30. Juni 1999 eingereicht** wurden (ABI, EPA Nr. 6/1999).
 Applicable to European and International applications **filed up to 30 June 1999** (OJ EPO 6/1999).
 Applicable aux demandes européennes et internationales **déposées jusqu'au 30 juin 1999** (JO OEB No 6/1999).

Bank- und Postscheckkonten der Europäischen Patentorganisation in EURO
 Bank and Giro accounts of the European Patent Organisation in EURO
 Comptes bancaires et chèques postaux de l'Organisation européenne des brevets en EURO

Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux	Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux
AT	102-133-851/00 (BLZ 12 000) Bank Austria AG Am Hof 2 A-1010 Wien	GB	86 98 72 66 Barclays Bank PLC 54 Lombard Street, P.O. Box 544 GB-London EC3V 9EX
	7451.030 * Österreichische Postsparkasse Georg Coch-Platz 2 A-1018 Wien	GR	112002002007046 Credit Bank AE Athens Tower Branch 2, Messoghion Avenue GR-11527 Athens
BE	310-0449878-78 Banque Bruxelles Lambert BP 948 B-1000 Bruxelles	IE	309 822 01 (Bank Code 901 490) Bank of Ireland Lower Baggot Street Branch P.O. Box 3131 IRL-Dublin 2
	000-1154426-29 * Banque de la Poste B-1100 Bruxelles	IT	936832 01 94 ABI 02002 / CAB 03200 IntesaBci Via de Plebiscito 112 I-00186 Roma
CH	322.005.60 M UBS Bahnhofstrasse 45 CH-8021 Zürich		10568277 * Poste Italiane C.U.A.S. Piazza Vesuvio, 6 I-20144 Milano
	91-649517-3 * Postfinance Postfach 4040 CH-4040 Basel	LU	7-108/9134/200 DEXIA-Banque Internationale à Luxembourg 69, route d'Esch L-2953 Luxembourg
CY	0155/41/190144/48 Bank of Cyprus 21, Evagoras Av. P.O. Box 1472 CY-1599 Nicosia		26421-37 * Administration des P.&T., Chèques postaux B.P. 2500 L-1090 Luxembourg
DE	3 338 800 00 (BLZ 700 800 00) Dresdner Bank Promenadeplatz 7 D-80273 München	MC	000 254 22154 Code Banque 30 004 Code guichet 09179 Clé Rib 91 Banque Nationale de Paris Succursale de Monte-Carlo Galerie Charles III B.P. 129 MC-98007 Monaco Cédex
	300-800 (BLZ 700 100 80) * Postbank München Bayerstrasse 49 D-80138 München SWIFT Code: DRESDEFF700		
DK	3001014560 Danske Bank, Holmes Kanal Dept. Holmens Kanal 2 DK-1090 Kopenhagen K.	NL	51 36 38 547 ABN AMRO Bank NV Kneuterdijk 1, Postbus 165 NL-2501 AP Den Haag
	1551-2138837478 * BG Bank A/S Girostroget 1 DK 0800 Hoje Taastrup		40 12 627 * Postbank N.V. Postbus 98000 NL-6800 MA Arnhem
ES	0182-5906-88-029-0348002 Banco Bilbao Vizcaya Argentaria S.A. (BBVA) Calle Acala 16, 3a Planta E-28014 Madrid	PT	0015/020/088391145/05 Sotto Mayor Av. Fontes Pereira de Melo, 7 P-1000 Lisboa
FI	200118-182076 Nordea Bank Senaatorintori FIN-00020 Nordea-Merita	SE	99-48857939 Bankgiro No. 5843-6155 CUBB, K3 Svenska Handelsbanken S-106 70 Stockholm
	800013-90405 * Sampo-Leonia Fabianinkatu 23 FIN-00007 Helsinki		7 41 53-8 * Postgirot S-105 06 Stockholm
FR	000 200 20463 Code Banque 30 004, Code guichet 00 567 Clé Rib 29, BNP-Paribas Agence France-Etranger 2 Place de l'Opéra F-75002 Paris	TR	4214-301120-1039000 Turkiye IS Bankasi Gazi Mustafa Kemal Bulvari 8 TR-06640 Kizilay / Ankara

* = Postscheckkonto
 Giro account
 Compte de chèque postal

Europäisches Patentamt
European Patent Office
Office Européen des Brevets
P.O. Box 5818
2280 HV RIJSWIJK (ZH)
Niederlande/Netherlands/Pays-Bas



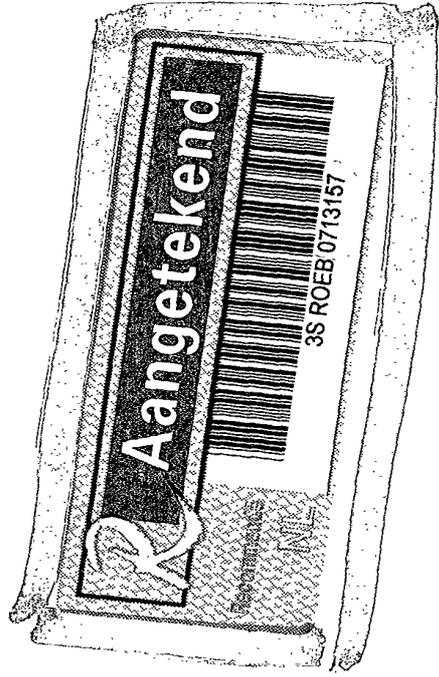
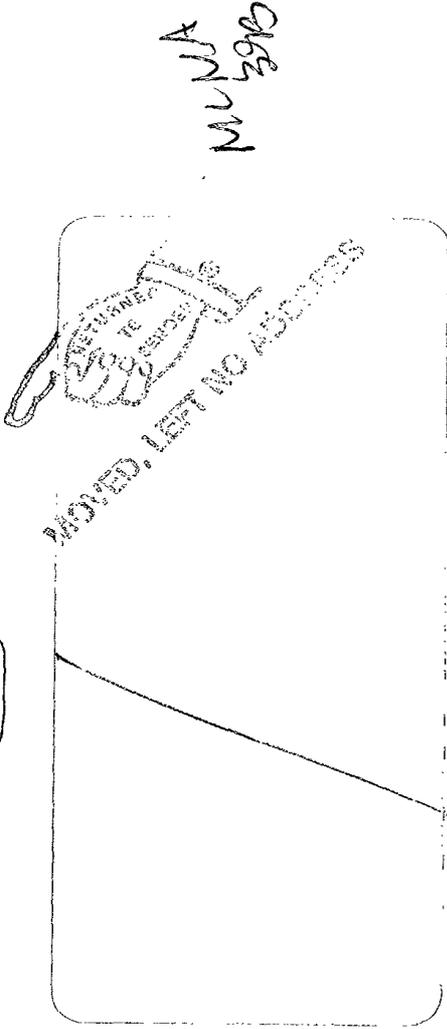
PTT Post

Port betaald
Port payé
Pays-Bas

EPA EPO OEB
tel: (070) 3402013

23 OKT. 2002

Mailroom





P. B. 5818 - Patentlaan 2
 2280 HV Rijswijk (ZH)
 ☎ +31 70 340 2040
 TX 31651 epo nl
 FAX +31 70 340 3016

**Europäisches
 Patentamt**

Eingangs-
 stelle

**European
 Patent Office**

Receiving
 Section

**Office européen
 des brevets**

Section de
 Dépôt

Iviewit Holdings, Inc.
 505 North Brand Boulevard,
 Suite 1420
 Glendale, CA 91203
 ETATS-UNIS D'AMERIQUE



Datum/Date

08-10-2002

Zeichen/Ref./Réf.	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 00942690.9-1247-PCT/US0015602
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Iviewit Holdings, Inc.	

I) NOTING OF LOSS OF RIGHTS PURSUANT TO RULE 69(1) EPC

The European patent application cited above is deemed to be withdrawn (Rule 108(1) EPC) for the following reason(s):

(a) translation of the international application into one of the EPO's official languages (Art. 158(2) EPC) not filed within the period specified in Rule 107(1)(a) EPC

(b) national basic fee search fee
 designation fees
 examination fee and/or written request for examination

not validly paid/not made within the time limit specified in Rule 107(1)(c)-(f) EPC

(c) payment of the above fees on _____, after expiry of the period for payment (on 00.00.00).

II) MEANS OF REDRESS:

(1) The loss of rights [(a)(b)] shall be deemed not to have occurred if, within a (non-extendable) period of TWO MONTHS of notification of this communication, the relevant requirement(s) has (have) been fulfilled and the appropriate surcharge(s) under Article 2(3b)(3c) RFees has (have) been paid (Rule 108(3) EPC).

If fees were paid late [(c)], the requirement(s) as specified in Article 8(3)(4) RFees is (are) to be fulfilled within the same time limit.

(2) If, however, the applicant considers that this finding is inaccurate, he may apply in writing for an EPO decision on the matter (Rule 69(2) EPC) within the same time limit, i.e. that specified in (1).

Encl.: Schedule of Fees
 REGISTERED LETTER

7002000 30/09/02 --/2



The finding will be set aside only if it does not actually correspond to the factual or legal situation.
The applicant's rights with regard to fee payment or filing the written request for examination cannot be re-established under Article 122 EPC.

(3) If, in spite of all due care required by the circumstances having been taken, the applicant was unable to OBSERVE THE TIME LIMIT FOR FILING THE TRANSLATION, he will, upon application, have his rights re-established provided that the time limits and formal requirements laid down in Article 122 EPC are complied with.

NOTE: Applicants not having either a residence or principal place of business within the territory of one of the EPC contracting states must have the above request under Article 122 EPC or Rule 69(2) EPC filed by a professional representative authorised to act before the EPO.

RECEIVING SECTION



Anmeldung Nr./Application No./Demande n°//Patent Nr./Patent No./Brevet n°	Blatt/Page/Feuille
00942690.9	2

Gebühren für europäische Patentanmeldungen in EURO geltend ab 03.01.02
Fees for European patent applications in EURO effective as from 03.01.02
Taxes pour les demandes de brevet européen en EURO applicables à compter du 03.01.02

Anmeldegebühr (nationale Grundgebühr). Filing fee (national basic fee). Taxe de dépôt (taxe nationale de base).	125,00
Recherchegebühr. Search fee. Taxe de recherche.	690,00 (1) 869,00 (2)
Benennungsgebühr für jeden benannten Vertragsstaat (siebenfacher Betrag (1) = alle Vertragsstaaten) Designation fee for each contracting state designated (seven times the amount (1) = all contracting states). Taxe de désignation pour chaque Etat contractant désigné (sept fois cette taxe (1) = tous les Etats contractants).	75,00
Zuschlagsgebühr zur Anmeldegebühr und/oder zur Recherchegebühr: 50% der betreffenden Gebühr, höchstens insgesamt. Surcharge on the filing fee and/or the search fee: 50% of the relevant fee, but not to exceed a total of: Surtaxe à la taxe de dépôt et/ou à la taxe de recherche: 50% de la taxe concernée, sans que le montant total puisse dépasser:	650,00
Anspruchsgebühr für den elften und jeden weiteren Anspruch. Claims fee for the eleventh and each subsequent claim. Taxe pour chaque revendication à partir de la onzième.	40,00
Pauschalgebühr für eine zusätzliche Abschrift der im Europäischen Recherchenbericht aufgeführten Schriften. Flat-rate fee for an additional copy of the documents cited in the European search report. Taxe forfaitaire pour une copie supplémentaire des documents cités dans le rapport de recherche européenne.	20,00
Prüfungsgebühr. Examination fee. Taxe d'examen.	1430,00
Zuschlagsgebühr für die verspätete Stellung des Prüfungsantrags (Regel 85b EPÜ): 50% der Prüfungsgebühr. Surcharge for late filing of the request for examination (Rule 85b EPC): 50% of the examination fee. Surtaxe pour présentation tardive de la requête en examen (Règle 85b CBE): 50% de la taxe d'examen.	715,00

Applicable to international applications only: Nur anwendbar für internationale Anmeldungen: Applicable aux demandes internationales seulement:	
Zuschlagsgebühr für die verspätete Einreichung der Übersetzung der internationalen Anmeldung oder die verspätete Stellung des Prüfungsantrags oder die verspätete Entrichtung der nationalen Grundgebühr, der Recherchegebühr oder der Benennungsgebühren (Regel 108 Absatz 3): 50% der betreffenden Gebühren, jedoch mindestens 500 EUR bei verspäteter Einreichung der Übersetzung und insgesamt höchstens	
Surcharge for late filing of either the translation of the international application or the request for examination, or for late payment of the national basic fee, the search fee or the designation fee (Rule 108(3)): 50% of the relevant fees, but at least EUR 500 for late filing of the translation, up to a maximum of	1750,00
Surtaxe pour production tardive de la traduction de la demande internationale, pour présentation tardive de la requête en examen ou pour retard de paiement de la taxe nationale de base, de la taxe de recherche ou des taxes de désignation (règle 108, paragraph 3): 50% des taxes concernées, sans que le montant puisse être inférieur à 500 EUR en cas de production tardive de la traduction et sans que le montant total puisse dépasser	

(1) = Anwendbar für europäische und internationale Anmeldungen, die **ab 1. Juli 1999 eingereicht** werden (ABI, EPA Nr. 11/2001).

Applicable to European and International applications **filed on or after 1 July 1999** (OJ EPO 11/2001).

Applicable aux demandes européennes et Internationales **déposées à partir du 1er juillet 1999** (JO OEB no 11/2001).

(2) = Anwendbar für europäische und internationale Anmeldungen, die **bis 30. Juni 1999 eingereicht** wurden (ABI, EPA Nr. 6/1999).

Applicable to European and International applications **filed up to 30 June 1999** (OJ EPO 6/1999).

Applicable aux demandes européennes et internationales **déposées jusqu'au 30 juin 1999** (JO OEB No 6/1999).

Bank- und Postscheckkonten der Europäischen Patentorganisation in EURO
Bank and Giro accounts of the European Patent Organisation in EURO
Comptes bancaires et chèques postaux de l'Organisation européenne des brevets en EURO

Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux	Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux
AT	102-133-851/00 (BLZ 12 000) Bank Austria AG Am Hof 2 A-1010 Wien	GB	86 98 72 66 Barclays Bank PLC 54 Lombard Street, P.O. Box 544 GB-London EC3V 9EX
	7451.030 * Österreichische Postsparkasse Georg Coch-Platz 2 A-1018 Wien	GR	112002002007046 Credit Bank AE Athens Tower Branch 2, Messoghion Avenue GR-11527 Athens
BE	310-0449878-78 Banque Bruxelles Lambert BP 948 B-1000 Bruxelles	IE	309 822 01 (Bank Code 901 490) Bank of Ireland Lower Baggot Street Branch P.O. Box 3131 IRL-Dublin 2
	000-1154426-29 * Banque de la Poste B-1100 Bruxelles	IT	936832 01 94 ABI 02002 / CAB 03200 IntesaBci Via de Plebiscito 112 I-00186 Roma
CH	322.005.60 M UBS Bahnhofstrasse 45 CH-8021 Zürich		10568277 * Poste Italiane C.U.A.S. Piazza Vesuvio, 6 I-20144 Milano
	91-649517-3 * Postfinance Postfach 4040 CH-4040 Basel	LU	7-108/9134/200 DEXIA-Banque Internationale à Luxembourg 69, route d'Esch L-2953 Luxembourg
0155/41/190144/48 Bank of Cyprus 21, Evagoras Av. P.O. Box 1472 CY-1599 Nicosia	26421-37 * Administration des P.&T., Chèques postaux B.P. 2500 L-1090 Luxembourg		
DE	3 338 800 00 (BLZ 700 800 00) Dresdner Bank Promenadeplatz 7 D-80273 München	MC	000 254 22154 Code Banque 30 004 Code guichet 09179 Clé Rib 91 Banque Nationale de Paris Succursale de Monte-Carlo Galerie Charles III B.P. 129 MC-98007 Monaco Cédex
	300-800 (BLZ 700 100 80) * Postbank München Bayerstrasse 49 D-80138 München SWIFT Code: DRESDEFF700		
DK	3001014560 Danske Bank, Holmes Kanal Dept. Holmens Kanal 2 DK-1090 Kopenhagen K.	NL	51 36 38 547 ABN AMRO Bank NV Kneuterdijk 1, Postbus 165 NL-2501 AP Den Haag
	1551-2138837478 * BG Bank A/S Girostroget 1 DK 0800 Hoje Taastrup		40 12 627 * Postbank N.V. Postbus 98000 NL-6800 MA Arnhem
ES	0182-5906-88-029-0348002 Banco Bilbao Vizcaya Argentaria S.A. (BBVA) Calle Acala 16, 3e Planta E-28014 Madrid	PT	0015/020/088391145/05 Sotto Mayor Av. Fontes Pereira de Melo, 7 P-1000 Lisboa
FI	200118-182076 Nordea Bank Senaatintori FIN-00020 Nordea-Merita	SE	99-48857939 Bankgiro No. 5843-6155 CUBB, K3 Svenska Handelsbanken S-106 70 Stockholm
	800013-90405 * Sampo-Leonia Fabianinkatu 23 FIN-00007 Helsinki		7 41 53-8 * Postgirot S-105 06 Stockholm
FR	000 200 20463 Code Banque 30 004, Code guichet 00 567 Clé Rib 29, BNP-Paribas Agence France-Etranger 2 Place de l'Opéra F-75002 Paris	TR	4214-301120-1039000 Turkiye IS Bankasi Gazi Mustafa Kemal Bulvari 8 TR-06640 Kizilay / Ankara

* = Postscheckkonto
Giro account
Compte de chèque postal



P B 5818 - Patentlaan 2
 2280 HV Rijswijk (ZH)
 ☎ +31 70 340 2040
 TX 31651 epo nl
 FAX +31 70 340 3016

Europäisches
 Patentamt

Eingangsstelle

European
 Patent Office

Receiving
 Section

Office européen
 des brevets

Section de
 Dépôt

Iviewit Holdings, Inc.
 505 North Brand Boulevard,
 Suite 1420
 Glendale, CA 91203
 ETATS-UNIS D'AMERIQUE

EPO OEB
 070 3402013
 03 SEP. 2002



Mailroom

Datum/Date 20-08-2002

Zeichen/Ref./Réf.	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n° 00942690.9-1247-PCT/US0015602
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Iviewit Holdings, Inc.	

I) NOTING OF LOSS OF RIGHTS PURSUANT TO RULE 69(1) EPC

The European patent application cited above is deemed to be withdrawn (Rule 108(1) EPC) for the following reason(s):

(a) () translation of the international application into one of the EPO's official languages (Art. 158(2) EPC) not filed within the period specified in Rule 107(1)(a) EPC

(b) national basic fee () search fee
 designation fees
 examination fee and/or written request for examination

not validly paid/not made within the time limit specified in Rule 107(1)(c)-(f) EPC

(c) () payment of the above fees on , after expiry of the period for payment (on 00.00.00).

II) MEANS OF REDRESS:

(1) The loss of rights [(a)(b)] shall be deemed not to have occurred if, within a (non-extendable) period of TWO MONTHS of notification of this communication, the relevant requirement(s) has (have) been fulfilled and the appropriate surcharge(s) under Article 2(3b)(3c) RFees has (have) been paid (Rule 108(3) EPC).

If fees were paid late [(c)], the requirement(s) as specified in Article 8(3)(4) RFees is (are) to be fulfilled within the same time limit.

(2) If, however, the applicant considers that this finding is inaccurate, he may apply in writing for an EPO decision on the matter (Rule 69(2) EPC) within the same time limit, i.e. that specified in (1).

Encl.: Schedule of Fees
 REGISTERED LETTER

7002000 28/05/02 --/2



The finding will be set aside only if it does not actually correspond to the factual or legal situation.

The applicant's rights with regard to fee payment or filing the written request for examination cannot be re-established under Article 122 EPC.

(3) If, in spite of all due care required by the circumstances having been taken, the applicant was unable to OBSERVE THE TIME LIMIT FOR FILING THE TRANSLATION, he will, upon application, have his rights re-established provided that the time limits and formal requirements laid down in Article 122 EPC are complied with.

NOTE: Applicants not having either a residence or principal place of business within the territory of one of the EPC contracting states must have the above request under Article 122 EPC or Rule 69(2) EPC filed by a professional representative authorised to act before the EPO.

RECEIVING SECTION



Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 00942690.9	Blatt/Page/Feuille 2
--	-------------------------

Gebühren für europäische Patentanmeldungen in EURO geltend ab 03.01.02
Fees for European patent applications in EURO effective as from 03.01.02
Taxes pour les demandes de brevet européen en EURO applicables à compter du 03.01.02

Anmeldegebühr (nationale Grundgebühr). Filing fee (national basic fee). Taxe de dépôt (taxe nationale de base).	125,00
Recherchegebühr. Search fee Taxe de recherche.	690,00 (1) 869,00 (2)
Benennungsgebühr für jeden benannten Vertragsstaat (siebenfacher Betrag (1) = alle Vertragsstaaten) Designation fee for each contracting state designated (seven times the amount (1) = all contracting states). Taxe de désignation pour chaque Etat contractant désigné (sept fois cette taxe (1) = tous les Etats contractants).	75,00
Zuschlagsgebühr zur Anmeldegebühr und/oder zur Recherchegebühr: 50% der betreffenden Gebühr, höchstens insgesamt. Surcharge on the filing fee and/or the search fee: 50% of the relevant fee, but not to exceed a total of: Surtaxe à la taxe de dépôt et/ou à la taxe de recherche: 50% de la taxe concernée, sans que le montant total puisse dépasser.	650,00
Anspruchsgebühr für den elften und jeden weiteren Anspruch. Claims fee for the eleventh and each subsequent claim. Taxe pour chaque revendication à partir de la onzième.	40,00
Pauschalgebühr für eine zusätzliche Abschrift der im Europäischen Recherchenbericht aufgeführten Schriften. Flat-rate fee for an additional copy of the documents cited in the European search report. Taxe forfaitaire pour une copie supplémentaire des documents cités dans le rapport de recherche européenne	20,00
Prüfungsgebühr Examination fee Taxe d'examen	1430,00
Zuschlagsgebühr für die verspätete Stellung des Prüfungsantrags (Regel 85b EPÜ): 50% der Prüfungsgebühr. Surcharge for late filing of the request for examination (Rule 85b EPC): 50% of the examination fee. Surtaxe pour présentation tardive de la requête en examen (Règle 85b CBE): 50% de la taxe d'examen.	715,00

Applicable to international applications only: Nur anwendbar für internationale Anmeldungen: Applicable aux demandes internationales seulement:	
Zuschlagsgebühr für die verspätete Einreichung der Übersetzung der internationalen Anmeldung oder die verspätete Stellung des Prüfungsantrags oder die verspätete Entrichtung der nationalen Grundgebühr, der Recherchegebühr oder der Benennungsgebühren (Regel 108 Absatz 3): 50% der betreffenden Gebühren, jedoch mindestens 500 EUR bei verspäteter Einreichung der Übersetzung und insgesamt höchstens	
Surcharge for late filing of either the translation of the international application or the request for examination, or for late payment of the national basic fee, the search fee or the designation fee (Rule 108(3)): 50% of the relevant fees, but at least EUR 500 for late filing of the translation, up to a maximum of	1750,00
Surtaxe pour production tardive de la traduction de la demande internationale, pour présentation tardive de la requête en examen ou pour retard de paiement de la taxe nationale de base, de la taxe de recherche ou des taxes de désignation (règle 108, paragraphe 3): 50% des taxes concernées, sans que le montant puisse être inférieur à 500 EUR en cas de production tardive de la traduction et sans que le montant total puisse dépasser	

(1) = Anwendbar für europäische und internationale Anmeldungen, die **ab 1. Juli 1999 eingereicht** werden (ABI, EPA Nr. 11/2001).
 Applicable to European and International applications **filed on or after 1 July 1999** (OJ EPO 11/2001).
 Applicable aux demandes européennes et internationales **déposées à partir du 1er juillet 1999** (JO OEB no 11/2001).

(2) = Anwendbar für europäische und internationale Anmeldungen, die **bis 30. Juni 1999 eingereicht** wurden (ABI, EPA Nr. 6/1999).
 Applicable to European and International applications **filed up to 30 June 1999** (OJ EPO 6/1999).
 Applicable aux demandes européennes et internationales **déposées jusqu'au 30 juin 1999** (JO OEB No 6/1999).

Bank- und Postscheckkonten der Europäischen Patentorganisation in EURO
 Bank and Giro accounts of the European Patent Organisation in EURO
 Comptes bancaires et chèques postaux de l'Organisation européenne des brevets en EURO

Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux	Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux
AT	102-133-851/00 (BLZ 12 000) Bank Austria AG Am Hof 2 A-1010 Wien	GB	86 98 72 66 Barclays Bank PLC 54 Lombard Street, P.O. Box 544 GB-London EC3V 9EX
	7451.030 * Osterreichische Postsparkasse Georg Coch-Platz 2 A-1018 Wien	GR	112002002007046 Credit Bank AE Athens Tower Branch 2, Messoghion Avenue GR-11527 Athens
BE	310-0449878-78 Banque Bruxelles Lambert BP 948 B-1000 Bruxelles	IE	309 822 01 (Bank Code 901 490) Bank of Ireland Lower Baggot Street Branch P.O. Box 3131 IRL-Dublin 2
	000-1154426-29 * Banque de la Poste B-1100 Bruxelles	IT	936832 01 94 ABI 02002 / CAB 03200 IntesaBci Via de Plebiscito 112 I-00186 Roma
CH	322.005.60 M UBS Bahnhofstrasse 45 CH-8021 Zürich		10568277 * Poste Italiane C.U.A.S. Piazza Vesuvio, 6 I-20144 Milano
	91-649517-3 * Postfinance Postfach 4040 CH-4040 Basel	LU	7-108/9134/200 DEXIA-Banque Internationale à Luxembourg 69, route d'Esch L-2953 Luxembourg
CY	0155/41/190144/48 Bank of Cyprus 21, Evagoras Av. P.O. Box 1472 CY-1599 Nicosia		26421-37 * Administration des P.&T., Chèques postaux B.P. 2500 L-1090 Luxembourg
DE	3 338 800 00 (BLZ 700 800 00) Dresdner Bank Promenadeplatz 7 D-80273 München	MC	000 254 22154 Code Banque 30 004 Code guichet 09179 Clé Rib 91 Banque Nationale de Paris Succursale de Monte-Carlo Galerie Charles III B.P. 129 MC-98007 Monaco Cédex
	300-800 (BLZ 700 100 80) * Postbank München Bayerstrasse 49 D-80138 München SWIFT Code: DRESDEFF700		
DK	3001014560 Danske Bank, Holmes Kanal Dept. Holmens Kanal 2 DK-1090 Kopenhagen K.	NL	51 36 38 547 ABN AMRO Bank NV Kneuterdijk 1, Postbus 165 NL-2501 AP Den Haag
	1551-2138837478 * BG Bank A/S Girostroget 1 DK 0800 Hoje Taastrup		40 12 627 * Postbank N.V. Postbus 98000 NL-6800 MA Arnhem
ES	0182-5906-88-029-0348002 Banco Bilbao Vizcaya Argentaria S.A. (BBVA) Calle Acala 16, 3e Planta E-28014 Madrid	PT	0015/020/088391145/05 Sotto Mayor Av. Fontes Pereira de Melo, 7 P-1000 Lisboa
FI	200118-182076 Nordea Bank Senaatintori FIN-00020 Nordea-Merita	SE	99-48857939 Bankgiro No. 5843-6155 CUBB, K3 Svenska Handelsbanken S-106 70 Stockholm
	800013-90405 * Sampo-Leonia Fabianinkatu 23 FIN-00007 Helsinki		7 41 53-8 * Postgirot S-105 06 Stockholm
FR	000 200 20463 Code Banque 30 004, Code guichet 00 567 Clé Rib 29, BNP-Paribas Agence France-Etranger 2 Place de l'Opéra F-75002 Paris	TR	4214-301120-1039000 Turkiye IS Bankasi Gazi Mustafa Kemal Bulvari 8 TR-06640 Kizilay / Ankara

* = Postscheckkonto
 Giro account
 Compte de chèque postal



P.B 5818 - Patentlaan 2
 2280 HV Rijswijk (ZH)
 ☎ (070) 3 40 20 40
 FAX (070) 3 40 30 16

Europäisches
 Patentamt

European
 Patent Office

Office européen
 des brevets

Generaldirektion 1

Directorate General 1

Direction générale 1

Iviewit Holdings, Inc.
 505 North Brand Boulevard,
 Suite 1420
 Glendale, CA 91203
 ETATS-UNIS D'AMERIQUE



epoline® Customer Services

Tel.: +31 (0)70 340 45 00

Date

02.08.02

Reference	Application No./Patent No 00942690.9-2202-US0015602
Applicant/Proprietor Iviewit Holdings, Inc.	

**Notice drawing attention to Article 86(2) EPC, Art. 2 No. 5 of the rules relating to fees
 - Payment of the renewal fee plus additional fee -**

The renewal fee for the 03. year fell due on 30.06.02 unless this date falls within the period covered by an interruption of the proceedings in accordance with Rule 90(1) EPC.

The amount of the renewal fee on that date was **EUR 380,00** (see OJ EPO 2001, 374, 377, 378, and 543).

The renewal fee was not paid by the due date.

The renewal fee may still be validly paid **up to the last day of the sixth calendar month** following the due date, provided that the additional fee (10% of the renewal fee) is paid at the same time.

Within the above period which cannot be extended the following fees are to be paid:

Renewal fee for the 03. year:	EUR	380,00
Additional fee:	EUR	38,00

TOTAL AMOUNT	EUR	418,00

If the renewal fee and the additional fee are not paid in due time, the European patent application shall be deemed to be withdrawn (Art.86(3) EPC).

Note to users of the automatic debiting procedure:

The normal time limit for payment of the above renewal fee had already expired when the automatic debit order was received. The renewal fee and the surcharge will be debited automatically on the last day of the period of grace (Supplement to OJ EPO 2/1999; OJ EPO 2000, 62).





P. B. 5818 - Patentlaan 2
 2280 HV Rijswijk (ZH)
 ☎ +31 70 340 2040
 TX 31651 epo nl
 FAX +31 70 340 3016

**Europäisches
 Patentamt**

Eingangs-
 stelle

**European
 Patent Office**

Receiving
 Section

**Office européen
 des brevets**

Section de
 Dépôt

Iviewit Holdings, Inc.
 505 North Brand Boulevard,
 Suite 1420
 Glendale, CA 91203
 ETATS-UNIS D'AMERIQUE



Datum/Date

20-08-2002

Zeichen/Ref./Réf.	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 00942690.9-1247-PCT/US0015602
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Iviewit Holdings, Inc.	

I) NOTING OF LOSS OF RIGHTS PURSUANT TO RULE 69(1) EPC

The European patent application cited above is deemed to be withdrawn (Rule 108(1) EPC) for the following reason(s):

(a) () translation of the international application into one of the EPO's official languages (Art. 158(2) EPC) not filed within the period specified in Rule 107(1)(a) EPC

(b) national basic fee () search fee
 designation fees
 examination fee and/or written request for examination

not validly paid/not made within the time limit specified in Rule 107(1)(c)-(f) EPC

(c) () payment of the above fees on , after expiry of the period for payment (on 00.00.00).

II) MEANS OF REDRESS:

(1) The loss of rights [(a)(b)] shall be deemed not to have occurred if, within a (non-extendable) period of TWO MONTHS of notification of this communication, the relevant requirement(s) has (have) been fulfilled and the appropriate surcharge(s) under Article 2(3b)(3c) RFees has (have) been paid (Rule 108(3) EPC).

If fees were paid late [(c)], the requirement(s) as specified in Article 8(3)(4) RFees is (are) to be fulfilled within the same time limit.

(2) If, however, the applicant considers that this finding is inaccurate, he may apply in writing for an EPO decision on the matter (Rule 69(2) EPC) within the same time limit, i.e. that specified in (1).

Encl.: Schedule of Fees
 REGISTERED LETTER

7002000 28/05/02 --/2



The finding will be set aside only if it does not actually correspond to the factual or legal situation.

The applicant's rights with regard to fee payment or filing the written request for examination cannot be re-established under Article 122 EPC.

(3) If, in spite of all due care required by the circumstances having been taken, the applicant was unable to OBSERVE THE TIME LIMIT FOR FILING THE TRANSLATION, he will, upon application, have his rights re-established provided that the time limits and formal requirements laid down in Article 122 EPC are complied with.

NOTE: Applicants not having either a residence or principal place of business within the territory of one of the EPC contracting states must have the above request under Article 122 EPC or Rule 69(2) EPC filed by a professional representative authorised to act before the EPO.

RECEIVING SECTION



Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 00942690.9	Blatt/Page/Feuille 2
--	-------------------------

Gebühren für europäische Patentanmeldungen in EURO geltend ab 03.01.02
Fees for European patent applications in EURO effective as from 03.01.02
Taxes pour les demandes de brevet européen en EURO applicables à compter du 03.01.02

Anmeldegebühr (nationale Grundgebühr). Filing fee (national basic fee). Taxe de dépôt (taxe nationale de base).	125,00
Recherchegebühr. Search fee. Taxe de recherche.	690,00 (1) 869,00 (2)
Benennungsgebühr für jeden benannten Vertragsstaat (siebenfacher Betrag (1) = alle Vertragsstaaten) Designation fee for each contracting state designated (seven times the amount (1) = all contracting states). Taxe de désignation pour chaque Etat contractant désigné (sept fois cette taxe (1) = tous les Etats contractants).	75,00
Zuschlagsgebühr zur Anmeldegebühr und/oder zur Recherchegebühr: 50% der betreffenden Gebühr, höchstens insgesamt. Surcharge on the filing fee and/or the search fee: 50% of the relevant fee, but not to exceed a total of: Surtaxe à la taxe de dépôt et/ou à la taxe de recherche: 50% de la taxe concernée, sans que le montant total puisse dépasser:	650,00
Anspruchsgebühr für den elften und jeden weiteren Anspruch. Claims fee for the eleventh and each subsequent claim. Taxe pour chaque revendication à partir de la onzième.	40,00
Pauschalgebühr für eine zusätzliche Abschrift der im Europäischen Recherchenbericht aufgeführten Schriften. Flat-rate fee for an additional copy of the documents cited in the European search report. Taxe forfaitaire pour une copie supplémentaire des documents cités dans le rapport de recherche européenne.	20,00
Prüfungsgebühr. Examination fee. Taxe d'examen.	1430,00
Zuschlagsgebühr für die verspätete Stellung des Prüfungsantrags (Regel 85b EPÜ): 50% der Prüfungsgebühr. Surcharge for late filing of the request for examination (Rule 85b EPC): 50% of the examination fee. Surtaxe pour présentation tardive de la requête en examen (Règle 85b CBE): 50% de la taxe d'examen.	715,00

Applicable to international applications only: Nur anwendbar für internationale Anmeldungen: Applicable aux demandes internationales seulement:	
Zuschlagsgebühr für die verspätete Einreichung der Übersetzung der internationalen Anmeldung oder die verspätete Stellung des Prüfungsantrags oder die verspätete Entrichtung der nationalen Grundgebühr, der Recherchegebühr oder der Benennungsgebühren (Regel 108 Absatz 3): 50% der betreffenden Gebühren, jedoch mindestens 500 EUR bei verspäteter Einreichung der Übersetzung und insgesamt höchstens	
Surcharge for late filing of either the translation of the international application or the request for examination, or for late payment of the national basic fee, the search fee or the designation fee (Rule 108(3)): 50% of the relevant fees, but at least EUR 500 for late filing of the translation, up to a maximum of	1750,00
Surtaxe pour production tardive de la traduction de la demande internationale, pour présentation tardive de la requête en examen ou pour retard de paiement de la taxe nationale de base, de la taxe de recherche ou des taxes de désignation (règle 108, paragraph 3): 50% des taxes concernées, sans que le montant puisse être inférieur à 500 EUR en cas de production tardive de la traduction et sans que le montant total puisse dépasser	

(1) = Anwendbar für europäische und internationale Anmeldungen, die **ab 1. Juli 1999 eingereicht** werden (ABI, EPA Nr. 11/2001).

Applicable to European and International applications **filed on or after 1 July 1999** (OJ EPO 11/2001).

Applicable aux demandes européennes et Internationales **déposées à partir du 1er juillet 1999** (JO OEB no 11/2001).

(2) = Anwendbar für europäische und internationale Anmeldungen, die **bis 30. Juni 1999 eingereicht** wurden (ABI, EPA Nr. 6/1999).

Applicable to European and International applications **filed up to 30 June 1999** (OJ EPO 6/1999).

Applicable aux demandes européennes et internationales **déposées jusqu'au 30 juin 1999** (JO OEB No 6/1999).

Bank- und Postscheckkonten der Europäischen Patentorganisation in EURO
Bank and Giro accounts of the European Patent Organisation in EURO
Comptes bancaires et chèques postaux de l'Organisation européenne des brevets en EURO

Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux	Staat Country Pays	Bank- und Postscheckkonten Bank and Giro accounts Comptes bancaires et de chèques postaux
AT	102-133-851/00 (BLZ 12 000) Bank Austria AG Am Hof 2 A-1010 Wien	GB	86 98 72 66 Barclays Bank PLC 54 Lombard Street, P.O. Box 544 GB-London EC3V 9EX
	7451.030 * Österreichische Postsparkasse Georg Coch-Platz 2 A-1018 Wien	GR	112002002007046 Credit Bank AE Athens Tower Branch 2, Messoghion Avenue GR-11527 Athens
BE	310-0449878-78 Banque Bruxelles Lambert BP 948 B-1000 Bruxelles	IE	309 822 01 (Bank Code 901 490) Bank of Ireland Lower Baggot Street Branch P.O. Box 3131 IRL-Dublin 2
	000-1154426-29 * Banque de la Poste B-1100 Bruxelles	IT	936832 01 94 ABI 02002 / CAB 03200 IntesaBci Via de Plebiscito 112 I-00186 Roma
CH	322.005.60 M UBS Bahnhofstrasse 45 CH-8021 Zürich		10568277 * Poste Italiane C.U.A.S. Piazza Vesuvio, 6 I-20144 Milano
	91-649517-3 * Postfinance Postfach 4040 CH-4040 Basel	LU	7-108/9134/200 DEXIA-Banque Internationale à Luxembourg 69, route d'Esch L-2953 Luxembourg
0155/41/190144/48 Bank of Cyprus 21, Evagoras Av. P.O. Box 1472 CY-1599 Nicosia	26421-37 * Administration des P.&T., Chèques postaux B.P. 2500 L-1090 Luxembourg		
DE	3 338 800 00 (BLZ 700 800 00) Dresdner Bank Promenadeplatz 7 D-80273 München	MC	000 254 22154 Code Banque 30 004 Code guichet 09179 Clé Rib 91 Banque Nationale de Paris Succursale de Monte-Carlo Galerie Charles III B.P. 129 MC-98007 Monaco Cédex
	300-800 (BLZ 700 100 80) * Postbank München Bayerstrasse 49 D-80138 München SWIFT Code: DRESDEFF700		
DK	3001014560 Danske Bank, Holmes Kanal Dept. Holmens Kanal 2 DK-1090 Kopenhagen K.	NL	51 36 38 547 ABN AMRO Bank NV Kneuterdijk 1, Postbus 165 NL-2501 AP Den Haag
	1551-2138837478 * BG Bank A/S Girostroget 1 DK 0800 Hoje Taastrup		40 12 627 * Postbank N.V. Postbus 98000 NL-6800 MA Arnhem
ES	0182-5906-88-029-0348002 Banco Bilbao Vizcaya Argentaria S.A. (BBVA) Calle Acala 16, 3e Planta E-28014 Madrid	PT	0015/020/088391145/05 Sotto Mayor Av. Fontes Pereira de Melo, 7 P-1000 Lisboa
FI	200118-182076 Nordea Bank Senaatintori FIN-00020 Nordea-Merita	SE	99-48857939 Bankgiro No. 5843-6155 CUBB, K3 Svenska Handelsbanken S-106 70 Stockholm
	800013-90405 * Sampo-Leonia Fabianinkatu 23 FIN-00007 Helsinki		7 41 53-8 * Postgirot S-105 06 Stockholm
FR	000 200 20463 Code Banque 30 004, Code guichet 00 567 Clé Rib 29, BNP-Paribas Agence France-Etranger 2 Place de l'Opéra F-75002 Paris	TR	4214-301120-1039000 Turkiye IS Bankasi Gazi Mustafa Kemal Bulvari 8 TR-06640 Kizilay / Ankara

* = Postscheckkonto
Giro account
Compte de chèque postal



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ (070) 3 40 20 40
FAX (070) 3 40 30 16

Europäisches
Patentamt

European
Patent Office

Office européen
des brevets

Generaldirektion 1

Directorate General 1

Direction générale 1

Iviewit Holdings, Inc.
505 North Brand Boulevard,
Suite 1420
Glendale, CA 91203
ETATS-UNIS D'AMERIQUE



epoline® Customer Services

Tel.: +31 (0)70 340 45 00

Date

02.08.02

Reference	Application No./Patent No. 00942690.9-2202-US0015602
Applicant/Proprietor Iviewit Holdings, Inc.	

**Notice drawing attention to Article 86(2) EPC, Art. 2 No. 5 of the rules relating to fees
- Payment of the renewal fee plus additional fee -**

The renewal fee for the 03. year fell due on 30.06.02 unless this date falls within the period covered by an interruption of the proceedings in accordance with Rule 90(1) EPC.

The amount of the renewal fee on that date was **EUR 380,00** (see OJ EPO 2001, 374, 377, 378, and 543).

The renewal fee was not paid by the due date.

The renewal fee may still be validly paid **up to the last day of the sixth calendar month** following the due date, provided that the additional fee (10% of the renewal fee) is paid at the same time.

Within the above period which cannot be extended the following fees are to be paid:

Renewal fee for the 03. year:	EUR	380,00
Additional fee:	EUR	38,00

TOTAL AMOUNT	EUR	418,00

If the renewal fee and the additional fee are not paid in due time, the European patent application shall be deemed to be withdrawn (Art.86(3) EPC).

Note to users of the automatic debiting procedure:

The normal time limit for payment of the above renewal fee had already expired when the automatic debit order was received. The renewal fee and the surcharge will be debited automatically on the last day of the period of grace (Supplement to OJ EPO 2/1999; OJ EPO 2000, 62).



PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

COESTER, Thomas, M.
Blakely, Sokoloff, Taylor & Zafman
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
ETATS-UNIS D'AMERIQUEEPO - DG 1
24. 12. 2001

Date of mailing (day/month/year) 17 December 2001 (17.12.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 57103/118	
International application No. PCT/US00/15602	International filing date (day/month/year) 07 June 2000 (07.06.00)

1. The following indications appeared on record concerning:

 the applicant the inventor the agent the common representative

Name and Address IVIEWIT HOLDINGS, INC. One Boca Place 2255 Glades Road Suite 337 West Boca Raton, FL 33431 United States of America	State of Nationality US	State of Residence US
	Telephone No. 561 999 8899	
	Facsimile No. 561 999 8810	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

 the person the name the address the nationality the residence

Name and Address IVIEWIT HOLDINGS, INC. 505 North Brand Boulevard Suite 1420 Glendale, CA 91203 United States of America	State of Nationality US	State of Residence US
	Telephone No. 561 999 8899	
	Facsimile No. 561 999 8810	
	Teleprinter No.	

3. Further observations, if necessary:

Please also note change of agent, as in the addressee box above.

4. A copy of this notification has been sent to:

 the receiving Office the designated Offices concerned
 the International Searching Authority the elected Offices concerned
 the International Preliminary Examining Authority other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Jean-Marie MCADAMS
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

EPO - DG 1 From the INTERNATIONAL BUREAU

PCT

24. 12. 2001

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and Administrative Instructions, Section 422)

To:
 COESTER, Thomas, M.
 Blakely, Sokoloff, Taylor & Zafman
 12400 Wilshire Boulevard, 7th Floor
 Los Angeles, CA 90025
 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 17 December 2001 (17.12.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 57103/118	
International application No. PCT/US00/15602	International filing date (day/month/year) 07 June 2000 (07.06.00)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address BERNSTEIN, Eliot, I. 500 S.E. Mizner Boulevard Boca Raton, FL 33432-6080 United States of America Boca Raton, FL 33431 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address BERNSTEIN, Eliot, I. Suite1420Idings, Inc. 505 North Brand Boulevard Glendale, CA 91203 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:
Please also note change of agent, as in the addressee box above.

4. A copy of this notification has been sent to:

the receiving Office the designated Offices concerned
 the International Searching Authority the elected Offices concerned
 the International Preliminary Examining Authority other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Jean-Marie MCADAMS
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

EPO - DG 1
24.12.2001

From the INTERNATIONAL BUREAU

To: 2001
COESTER, Thomas, M.
Blakely, Sokoloff, Taylor & Zafman
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 17 December 2001 (17.12.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 57103/118	
International application No. PCT/US00/15602	International filing date (day/month/year) 07 June 2000 (07.06.00)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address UTLEY, Brian, G. 1930 SW 8th Street Boca Raton, FL 33486 United States of America Boca Raton, FL 33431 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address UTLEY, Brian, G. Iviewit Holdings, Inc. 505 North Brand Boulevard Suite 1420 Glendale, CA 91203 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:
Please also note change of agent, as in the addressee box above.

4. A copy of this notification has been sent to:

the receiving Office the designated Offices concerned
 the International Searching Authority the elected Offices concerned
 the International Preliminary Examining Authority other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Jean-Marie MCADAMS
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

EPO - Munich
9
10. Okt. 2001

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

UTLEY, Brian, G.
Iviewit Holdings, Inc.
Suite 337 West
2255 Glades Road
Boca Raton, FL 33431
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 28 September 2001 (28.09.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 57103/118	
International application No. PCT/US00/15602	International filing date (day/month/year) 07 June 2000 (07.06.00)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address BECKER, Steven, C. Foley & Lardner 777 East Wisconsin Avenue, 33rd Floor Milwaukee, WI 53202-5367 United States of America	State of Nationality	State of Residence
	Telephone No. 414 271-2400	
	Facsimile No. 414 297-4900	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:
The agent indicated in Box 1 has renounced his appointment as agent of record. All future correspondence should now be sent to the address for correspondence as indicated in the addressee Box above.

4. A copy of this notification has been sent to:

the receiving Office the designated Offices concerned
 the International Searching Authority the elected Offices concerned
 the International Preliminary Examining Authority other: BECKER, Steven, C.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer François BAECHLER
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

UTLEY, Brian, G.
Iviewit Holdings, Inc.
Suite 337 West
2255 Glades Road
Boca Raton, FL 33431
ETATS-UNIS D'AMERIQUE

EPO - DG 1

08. 10. 2001

52

Date of mailing (day/month/year) 28 September 2001 (28.09.01)	
Applicant's or agent's file reference 57103/118	IMPORTANT NOTIFICATION
International application No. PCT/US00/15602	International filing date (day/month/year) 07 June 2000 (07.06.00)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address BECKER, Steven, C. Foley & Lardner 777 East Wisconsin Avenue, 33rd Floor Milwaukee, WI 53202-5367 United States of America	State of Nationality	State of Residence
	Telephone No. 414 271-2400	
	Facsimile No. 414 297-4900	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

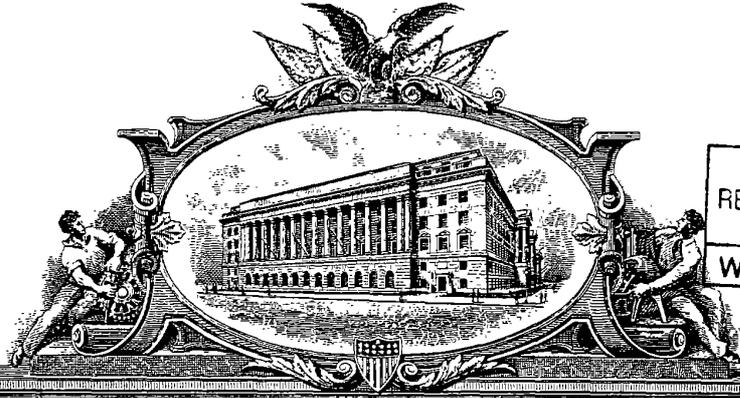
3. Further observations, if necessary:
The agent indicated in Box 1 has renounced his appointment as agent of record. All future correspondence should now be sent to the address for correspondence as indicated in the addressee Box above.

4. A copy of this notification has been sent to:

the receiving Office the designated Offices concerned
 the International Searching Authority the elected Offices concerned
 the International Preliminary Examining Authority other: BECKER, Steven, C.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer François BAECHLER
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PI 281767



REC'D 11 AUG 2000

WIPO

PCT

3

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

August 04, 2000

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 60/141,440

FILING DATE: June 29, 1999

PCT APPLICATION NUMBER: PCT/US00/15602



By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS

L. EDELEN
Certifying Officer

**PRIORITY
DOCUMENT**

SUBMITTED OR TRANSMITTED IN
COMPLIANCE WITH RULE 17.1(a) OR (b)

06/29/99

JCS53 U.S. PRO

R/2006

Please type a plus sign (+) inside this box →

PTO/SB/16 (2-98)
Approved for use through 01/31/2001. OMB 0651-0037
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

INVENTOR(S)					
Given Name (first and middle [if any])		Family Name or Surname		Residence (City and either State or Foreign Country)	
Eliot		Bernstein		500 S.E. Mizner Road Suite 102 Boca Raton, FL 33432	
<input type="checkbox"/> Additional inventors are being named on the ___ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (280 characters max)					
APPARATUS AND METHOD FOR PROVIDING AND/OR FOR TRANSMITTING VIDEO DATA AND/OR INFORMATION IN A COMMUNICATION NETWORK					
Direct all correspondence to:			CORRESPONDENCE ADDRESS		
<input type="checkbox"/> Customer Number <input type="text"/>			Place Customer Number Bar Code Label here		
OR			Type Customer Number here		
<input type="checkbox"/> Firm or Individual Name		Raymond A. Joao, Esq.			
Address		Meltzer, Lippe, Goldstein & Schlissel, P.C.			
Address		190 Willis Avenue			
City		Mineola		State	NY
Country		USA	Telephone	516-747-0300	Fax 516-747-9363
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages		<input type="text" value="25"/>		<input checked="" type="checkbox"/> Small Entity Statement	
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets		<input type="text" value="2"/>		<input checked="" type="checkbox"/> Other (specify) <input type="text" value="Power of Attorney"/>	
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)					
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees				FILING FEE AMOUNT (\$)	
<input type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: <input type="text"/>				\$75.00	
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted

SIGNATURE Raymond A. Joao

TYPED or PRINTED NAME Raymond A. Joao

TELEPHONE 516-747-0300, X-240

Date 6/29/99

REGISTRATION NO. 35,907
(if appropriate)

Docket Number: 5865-4.1

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C., 20231.

JCS541 U.S. PRO
60/141440
06/29/99

FORM 1000-052999

06/28/99 MON 17:10 FAX

003

Approved for use through 02/20/01. OMB 0451-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR**

Docket Number (Optional):
5865-4.1

Applicant, Patentee, or Identifier: Eliot Bernstein

Application or Patent No.: _____

Filed or issued: Concurrently herewith

Title: APPARATUS AND METHOD FOR PROVIDING AND/OR FOR TRANSMITTING
VIDEO DATA AND/OR INFORMATION IN A COMMUNICATION NETWORK

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- the specification filed herewith with title as listed above.
- the application identified above.
- the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- No such person, concern, or organization exists.
- Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Eliot Bernstein
NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

[Signature]
Signature of Inventor

Signature of Inventor

Signature of Inventor

6/29/99
Date

Date

Date

662510 "DATA" 05

Burden Hour Statement: This form is estimated to take 9.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 5865-4.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Eliot I. Bernstein
Serial No.: Please assign
Filed on: Concurrently herewith
Title: APPARATUS AND METHOD FOR PROVIDING
AND/OR FOR TRANSMITTING VIDEO DATA
AND/OR INFORMATION IN A
COMMUNICATION NETWORK

Box Provisional Application
Assistant Commissioner for Patents
Washington, D.C. 20231

PROVISIONAL PATENT APPLICATION TRANSMITTAL LETTER

Sir:

Please find transmitted herewith for filing the following:

- (1) Provisional Application for Patent Cover Sheet;
- (2) Provisional Patent Application including Specification, claim and Abstract (25 pages) and Drawings (2 sheets)
- (3) Verified Statement Claiming Small Entity Status;
- (4) Check in the amount of \$75.00 for the filing fee; and

66290-044709

- 5) Power of Attorney form; and
- (6) Return Receipt Postcard.

It is respectfully requested that the above papers be filed as a Provisional Patent Application.

Respectfully submitted,
MELTZER, LIPPE, GOLDSTEIN,
WOLF & SCHLISSEL, P.C.

By: Raymond A. Joao
Raymond A. Joao
Reg. No. 35,907

June 29, 1999

MELTZER, LIPPE, GOLDSTEIN,
WOLF & SCHLISSEL, P.C.
190 Willis Avenue
Mineola, New York 11501

Tel. No.: (516) 747-0300
Fax No.: (516) 747-9363

BERNSTEIN PATENT CO.

"Express Mail" mailing label number EL263520011US

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231

Date of Deposit: June 29, 1999

(Signature): Raymond A. Joao

APPARATUS AND METHOD FOR PROVIDING AND/OR FOR TRANSMITTING
VIDEO DATA AND/OR INFORMATION IN A COMMUNICATION NETWORK

FIELD OF THE INVENTION

The present invention is directed to an apparatus and a method for providing and/or for transmitting video data and/or information in a communication network and, in particular, to an apparatus and a method for providing and/or for transmitting video data and/or information on, over, and/or across, a computer communication network.

BACKGROUND OF THE INVENTION

The widespread and ever-growing use of communication networks, such as the Internet, the World Wide Web, and/or other computer to computer communication networks, for the dissemination of information, has fueled the need to provide for the transmission of enhanced resolution video information on, over and/or across, computer communication networks. Currently, video transmission over communication networks, such as the Internet and/or the World Wide Web has been less than optimal, given current bandwidth and technology constraints. These constraints have impeded the ability to offer enhanced resolution and/or full motion video information over these networks.

65250 "DHTTOS"

66250 "CHHTFOS"

Enhanced resolution and/or high definition video information is desired and needed in order to provide enhanced resolution and, hence, precise representations of video images, objects and/or events. Conventional computer network video transmission techniques which involve playing, transmitting or "streaming" video on, over, and/or across, the network under conditions which have been dictated by and, thus, limited by the bandwidth and other technological constraints of the network, the transmission medium and equipment, as well as the computers operating in conjunction therewith.

Given the bandwidth and other technological constraints, video information has traditionally been compressed to varying extents in order to facilitate its transmission over the respective networks. This compression has resulted in less than optimal quality video information which has typically been characterized as being grainy, blurry, and/or severely distorted.

Further, the ability to increase the screen size to a full screen viewing of the video information has also typically been accompanied by severe distortion and/or by reduced resolution. As a result, there is a need for an apparatus and method to provide and/or to transmit enhanced resolution video information on, over, and/or across a

communication network, in order to overcome the shortcomings of the prior art.

SUMMARY OF THE INVENTION

The present invention is directed to an apparatus and a method for providing and/or for transmitting video data and/or information in a communication network and, in particular, to an apparatus and a method for transmitting video data and/or information on, over, and/or across, a computer communication network such as the Internet, the World Wide Web, and/or any other computer to computer network. The present invention provides an apparatus and a method for transmitting enhanced quality and high resolution video data and/or information in real-time on, over, and/or across, a communication network, while using low or no compression and/or to otherwise alter the video data and/or information.

The apparatus includes a central processing computer and any number of user computers. The central processing computer can perform various data processing functions as well as transmit video data and/or information to the various user computers. The video data and/or information transmission may be provided and/or transmitted on demand from a user and/or at the initiation of, and/or the under control of, the central processing computer.

66290"04403

The apparatus and method of the present invention can be utilized on, over and/or across, any suitable communication network. The central processing computer can be any suitable computer, computer system and/or network of computers, while the user computer can also be any suitable computer, computer system, and/or communication device.

The apparatus also includes a video recording device for recording video data and/or information. Any suitable video recording device can be utilized in conjunction with the apparatus of the present invention. The respective video recording device will record and/or store the video data and/or information on any suitable storage medium, such as, for example, film, tape, diskette, compact disk, digital video disk, etc.

The apparatus also includes a video player device for playing back the video data and/or information which is recorded by the video recording device. The video player device is any suitable device for playing the video data and/or information which is recorded by the video recording device.

The central processing computer can include and/or utilize any and all necessary and/or suitable hardware and software deemed necessary and/or desirable for performing any

50500 " 0444445

of the processing and/or operational functions described herein.

The apparatus and method of the present invention can be utilized in order to provide and/or to transmit video data and/or information on, over, and/or across, a communication network such as, but not limited to, the Internet and/or the World Wide Web. The present invention provides an apparatus and a method for providing for the real-time transmission and/or "streaming" of high resolution, quality video information, including video information at fullscreen on, over, and/or across, a communication network.

The video data and/or information can be recorded by utilizing the video recording device. The recorded video data and/or information can then be stored in any suitable storage medium and/or in any corresponding storage format.

The stored video data and/or information can be transferred to and stored in the video player device which is operatively connected with the central processing computer. The video player device can be any suitable device for playing the video data and/or information which has been previously stored. It is understood that the central processing computer and/or the video player device can include any and all necessary interfacing hardware and/or software. The video player device can be initialized via the central processing

computer. The central processing computer can initialize the video player device via any suitable program software and/or a script.

The central processing computer can connect to a user computer(s). The connection to the central processing computer can be performed via the initiation of a third party user via a user computer and/or via initiation from the central processing computer. Regardless of the nature of the initiation, the connection between the central processing computer and the user computer can be accomplished by utilizing any suitable video playback software, playback software, and/or conferencing software.

The central processing computer can then activate the video player device and begin to transmit the video data and/or information from the video playback device, on, over, and/or across, the communication network to the user computer.

The apparatus and method of the present invention provides for the real-time transmission and/or for the "streaming" of video data and/or information on, over, and/or across, any communication network and/or computer communication network.

662930" OTHERS

The present invention dispenses with the need for data compression and over data manipulation of the video data and/or information, which compression and/or other data manipulation typically results in decreased resolution and definition. The present invention also dispenses with the need to save compressed files of video data and/or information and, further, provides for an enhanced playback of video data and/or information to users in the communication network.

Accordingly, it is an object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information on, over, and/or across, a communication network.

It is another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information on, over, and/or across, a computer communication network.

It is still another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information on, over, and/or across, the Internet, the World Wide Web, and/or a computer to computer communication network.

It is yet another object of the present invention to provide an apparatus and a method for providing and/or for transmitting enhanced resolution video data and/or information on, over, and/or across, a communication network.

It is another object of the present invention to provide an apparatus and a method for providing enhanced resolution real-time video data and/or information on, over, and/or across, a communication network.

It is still another object of the present invention to provide an apparatus and a method for providing enhanced resolution "streaming" video data and/or information on, over, and/or across, a communication network.

It is yet another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information on, over, and/or across, a communication network which dispenses, entirely or in part, with the need to compress video data and/or information.

It is still another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information upon the initiation of a remote user and/or upon the initiation of a central processing computer.

It is yet another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information from any video storage media.

It is still another object of the present invention to provide an apparatus and a method for providing and/or for transmitting video data and/or information where the apparatus is an integrated device which is programmed for operation.

It is yet another object of the present invention to provide an apparatus and a method for providing video data and/or information which provides enhanced resolution three-dimensional video data and/or information.

Other objects and advantages of the present invention will be apparent to those skilled in the art upon a review of the Description of the Preferred Embodiment taken in conjunction with the Drawings which follow.

BRIEF DESCRIPTION OF THE DRAWINGS

In the Drawings:

Figure 1 illustrates the apparatus of the present invention, in block diagram form; and

Figure 2 illustrates a flowchart of a preferred embodiment operation and method of use of the apparatus of Figure 1.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The present invention is directed to an apparatus and a method for providing and/or for transmitting video data and/or information in a communication network and, in particular, to an apparatus and a method for transmitting video data and/or information on, over, and/or across, a computer communication network. In a preferred embodiment, the present invention can be utilized to provide and/or to transmit video data and/or information on, over, and/or across, the Internet, the World Wide Web, and/or a computer to computer communication network.

The present invention provides an apparatus and a method for transmitting enhanced quality, high resolution video data and/or information, in real-time, on, over, and/or across, a communication network. In the preferred embodiment, the

communication network can include, but not be limited to, the Internet, the World Wide Web, computer to computer communication networks, internets, intranets, local area networks (LANS), Wide Area Networks (WANS) and/or any other suitable computer communication network.

Figure 1 illustrates the apparatus of the present invention, in block diagram form. The apparatus of Figure 1 is denoted generally by the reference numeral 100. With reference to Figure 1, the apparatus 100 includes a central processing computer 10 and any number of user computers 20. The user computer(s) 20 is linked to the central processing computer 10 via the respective communication network. The central processing computer 10, as described herein, performs various data processing functions as well as transmits video data and/or information to the various user computers 20. The video data and/or information transmission may be transmitted on demand from a user and/or upon the initiation and/or under the control of the central processing computer 10.

In the preferred embodiment, the apparatus and method of the present invention is utilized over a computer communication network such as, but not limited to, the Internet and/or the World Wide Web. In this regard, the central processing computer 10 can serve as a server computer and the user computers 20 can serve as client computers.

The central processing computer can be any suitable computer, computer system, and/or network of computers, and may be a network computer, a server computer, a mainframe computer, a personal computer, and/or any other suitable computer, computer system and/or network of computers. The user computer can be any suitable computer and/or communication device which may be utilized in conjunction with the present invention and can include a personal computer, a home computer, a personal digital assistant, a hand-held computer, a palm top computer, a video telephone, and/or any other suitable computer and/or communication device.

The apparatus 100 also includes a video recording device 30 for recording video data and/or information. Any suitable video recording device can be utilized in conjunction with the apparatus of the present invention. In the preferred embodiment, the video recording device 30 can be a video camera, a Beta video recorder, an 8mm film camera/recorder, a 32mm film camera/recorder, a Beta SP recorder, a VHS recording device, and/or any other suitable video recording device. The respective video recording device will record and/or store the video data and/or information on any suitable storage medium, such as, for example, film, tape, diskette, compact disk, digital video disk, etc.

The apparatus 100 also includes a video player device 40 for playing back the video data and/or information which is

recorded by the video recording device. The video player device 40 can be any suitable device for playing the video data and/or information which is recorded by the video recording device 30. In this regard, the video player device 40 can be a digital camera, an analog camera, a tape deck, a VCR, a VHS system, a Beta system, a compact disk player, a video disk player, and/or any other suitable device for playing video data and/or information.

The central processing computer 10, in the preferred embodiment will include and/or utilize any all necessary and/or suitable hardware and software, including interfacing hardware and/or software, which is deemed necessary and/or desirable for performing any of the processing and/or operating functions described herein. In this regard, the central processing computer 10 will include program and/or script software and any associated video playing software, video playback software, playback software, video conferencing software, and/or any other suitable or appropriate software. The central processing computer 10 and/or the video player device 40 can also include any necessary interfacing hardware and/or software for effecting the necessary interfacing of the respective devices.

As described above, the apparatus and method of the present invention can be utilized in order to transmit video data and/or information on, over, and/or across, a

communication network. In the preferred embodiment, the present invention is utilized in order to transmit video data and/or information on, over, and/or across, the Internet and/or the World Wide Web. The present invention provides an apparatus and a method for providing for the real-time transmission and/or for the "streaming" of enhanced resolution video data on, over, and/or across, a communication network.

Figure 2 illustrates a preferred embodiment operation of the apparatus and method of the present invention. With reference to Figure 2, the operation of the apparatus commences at step 200. At step 201, video data and/or information is recorded by utilizing the video recording device 30. At step 202, the recorded video data and/or information, obtained via the video recording device 30 is stored in any suitable storage medium and/or in a corresponding storage format. In the preferred embodiment, wherein the video recording device is a video recorder, the obtained video data and/or information can be stored on a tape, film, a diskette, a compact disk, and/or on a digital video disk.

At step 203, the stored video data and/or information is transferred to and stored in the video player device 40. The video player device is operatively connected with the central processing computer 10. In the preferred embodiment, the video player device 40 can be any suitable device for playing

the video data and/or information which has been previously stored. For example, if the video data and/or information has been recorded with a video camera and transferred to, and stored on, a compact disk, the video player device 40 can be any suitable compact disk player. At step 204, the video player device 40 can be initialized via the central processing computer 10. The central processing computer 10 can initialize the video player device 40 via any suitable program software and/or a suitable script.

At step 205, the central processing computer 10 will link to a user computer(s) 20. The connection to the central processing computer may result from an initiation of a third party user via a user computer 20 and/or via initiation via the central processing computer 10. Regardless of the nature of the initiation, the connection or link between the central processing computer 10 and the user computer 20 can be accomplished by utilizing any suitable video playback software, playback software, and/or conferencing software.

At step 206, the central processing computer 10 will activate the video player device 40 and begin to transmit the video data and/or information from the video playback device 40, on, over, and/or across, the communication network to the user computer 20. In this manner, the apparatus and method of the present invention provides for the transmission of real-time and enhanced resolution video data and/or information on,

over, and/or across, a communication network. Thereafter, the apparatus will cease operation at step 207.

The apparatus and method of the present invention provides for the real-time transmission and/or for the "streaming" of enhanced resolution video data and/or information on, over and/or across, any communication network and computer communication network. The present invention dispenses with the need for data compression and/or other data manipulation, which may typically be required in such applications, thereby maintaining enhanced resolution in the delivered video data and/or information. The present invention also dispenses with the need to save compressed files of video data and/or information and, further, provides for an enhanced playback of video data and/or information to users of the communication network.

The enhanced resolution video data and/or information can be made available at each user computer 20 and/or at the central processing computer 10.

In another preferred embodiment, the present invention can dispense with either or both of the initialization steps which are described in connection with the description of step 204 and/or the connection step which is described in connection with the description of step 205.

66290 "DHTFC"

The present invention can be utilized in order to provide enhanced resolution, real-time and/or "streaming", video data and/or information which may be utilized in any suitable application(s) which may involve the transmission of enhanced real-time and/or "streaming" video in a network environment.

In another preferred environment, the functional and processing steps described herein for the video recording device 30, the central processing computer 10, and the video player device 40 can be combined into and performed by an integrated device with the operation of said integrated device being programmed for operation as described herein.

In another preferred environment, the video data and/or information description herein can be combined with three-dimensional video data and/or information so as to provide enhanced resolution three-dimensional video data and/or information in a network environment.

While the present invention has been described and illustrated in various preferred and alternate embodiments, such descriptions are merely illustrative of the present invention and are not to be construed to be limitations thereof. In this regard, the present invention encompasses any and all modifications, variations, and/or alternate embodiments, with the scope of the present invention being limited only by the claims which follow.

CLAIMS

What Is Claimed Is:

1. An apparatus for providing video information in a network environment, comprising:

a video playing device, wherein said video playing device one of plays and transmits video information; and

a central processing device, wherein said central processing device provides control over said video playing device, and further wherein said central processing device further comprises:

a transmitter for transmitting said video information one of on, over, and across, a communication network.

2. The apparatus of claim 1, further comprising:

a video recording device for recording said video information.

3. The apparatus of claim 1, further comprising:

a communication device for receiving said transmitted video information, wherein said communication device is one of linked and connected to said central processing device via a communication network.

4. The apparatus of claim 2, wherein said video recorder device is one of a video camera, a Beta video recorder, an 8mm

film camera, a 32mm film camera, a Beta SP recorder, and a VHS recording device.

5. The apparatus of claim 1, wherein said video playing device is one of a digital camera, an analog camera, a tape deck, a VCR, a VHS system, a Beta system, a compact disk player, and a video disk player.

6. The apparatus of claim 1, wherein said central processing device further comprises:

means for one of playing and scripting said video information.

7. The apparatus of claim 1, wherein said central processing device further comprises:

means for initializing said video playing device.

8. The apparatus of claim 1, wherein said central processing device one of initializes said video playing device and controls the playing of said video information.

9. An apparatus for providing video information in a network environment, comprising:

means for playing said video information;

means for controlling the playing of said video information; and

means for transmitting said video information one of on, over, and across, a communication network.

10. The apparatus of claim 9, further comprising:
means for recording said video information.

11. The apparatus of claim 9, further comprising:
means for storing said video information.

12. The apparatus of claim 9, further comprising:
means for transferring said video information to
said video playing means.

13. The apparatus of claim 9, further comprising:
means for initializing said video playing means.

14. The apparatus of claim 9, further comprising:
means for one of connecting and linking said
controlling means to a communication device one of on, over,
and across, a communication network.

15. The apparatus of claim 9, further comprising:
means for activating said video playing means.

16. A method for providing video information in a
computer network environment, comprising:
controlling a video playing device;

one of playing and transmitting said video information; and

transmitting said video information one of on, over, and across, a computer communication network.

17. The method of claim 16, further comprising:
recording said video information.

18. The method of claim 16, further comprising:
receiving said transmitted video information one of on, over, and across, said computer communication network.

19. The method of claim 17, wherein said recording is performed in conjunction with one of a video camera, a Beta video recorder, an 8mm film camera, a 32mm film camera, a Beta SP recorder, and a VHS recording device.

20. The apparatus of claim 16, wherein said one of playing and transmitting is performed in conjunction with one of a digital camera, an analog camera, a tape deck, a VCR, a VHS system, a Beta system, a compact disk player, and a video disk player.

21. The method of claim 16, further comprising:
one of playing and scripting said video information.

COPIED FROM

- 22. The method of claim 16, further comprising:
initializing a video playing device.

- 23. A method for providing video information in a network environment, comprising:
controlling a playing of said video information;
playing said video information; and
transmitting said video information one of on, over, and across, a computer communication network.

- 24. The method of claim 23, further comprising:
recording said video information.

- 25. The apparatus of claim 23, further comprising:
storing said video information.

- 26. The method of claim 23, further comprising:
transferring said video information to
a video playing device.

- 27. The method of claim 23, further comprising:
initializing a video playing device.

- 28. The method of claim 23, further comprising:
one of connecting and linking to a communication device one of on, over, and across, a communication network.

29. The method of claim 23, further comprising:
activating a video playing means.

656250 "CHIFFINS"

ABSTRACT OF THE DISCLOSURE

An apparatus and a method for providing video information in a network environment which includes a video playing device wherein the video playing device one of plays and transmits video information, a central processing device, wherein the central processing device provides control over the video playing device, and further wherein the central processing device further includes a transmitter for transmitting the video information one of on, over, and across, a communication network. An apparatus and a method for providing video information in a network environment, which includes means for playing the video information, means for controlling the playing of the video information, and means for transmitting the video information one of on, over, and across, a communication network.

656290" CHITTS

06/28/99 MON 17:10 FAX

002

Attorney Docket No.: 5865-4.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY

Application of: Eliot I. Bernstein

Serial No.: Please assign

Filed on: Concurrently herewith

Title: APPARATUS AND METHOD FOR PROVIDING
AND/OR FOR TRANSMITTING VIDEO DATA
AND/OR INFORMATION IN A COMMUNICATION
NETWORK

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

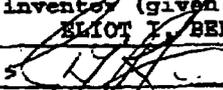
RAYMOND A. JOAO, Reg. No. 35,907

Address all telephone calls to Raymond A. Joao at telephone number: (516) 747-0300

Address all correspondence to
Meltzer, Lippe, Goldstein and Schlissel, P.C.
190 Willis Avenue
Mineola, New York 11501

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

66250 "OFFICE"

Full name of the sole inventor (given name, family name): ELIOT I. BERNSTEIN	
Inventor's signature: 	Date: 6/29/99
Residence: 500 S.E. Mizner Boulevard Suite 102 Boca Raton, FL 33432-6080	Citizenship: U.S.A.
Post Office Address: SAME AS ABOVE	

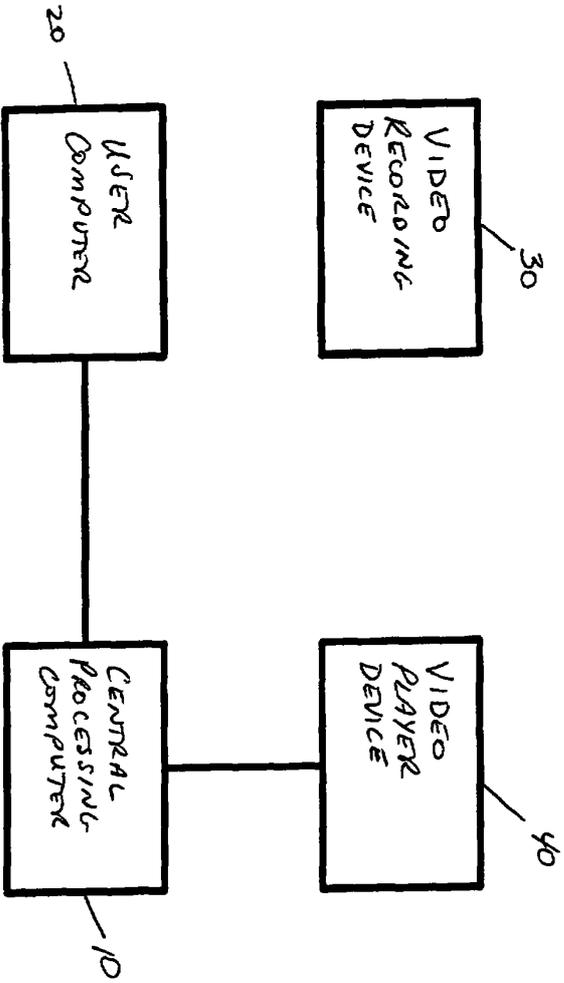


FIG. 1

SO 4443:06299

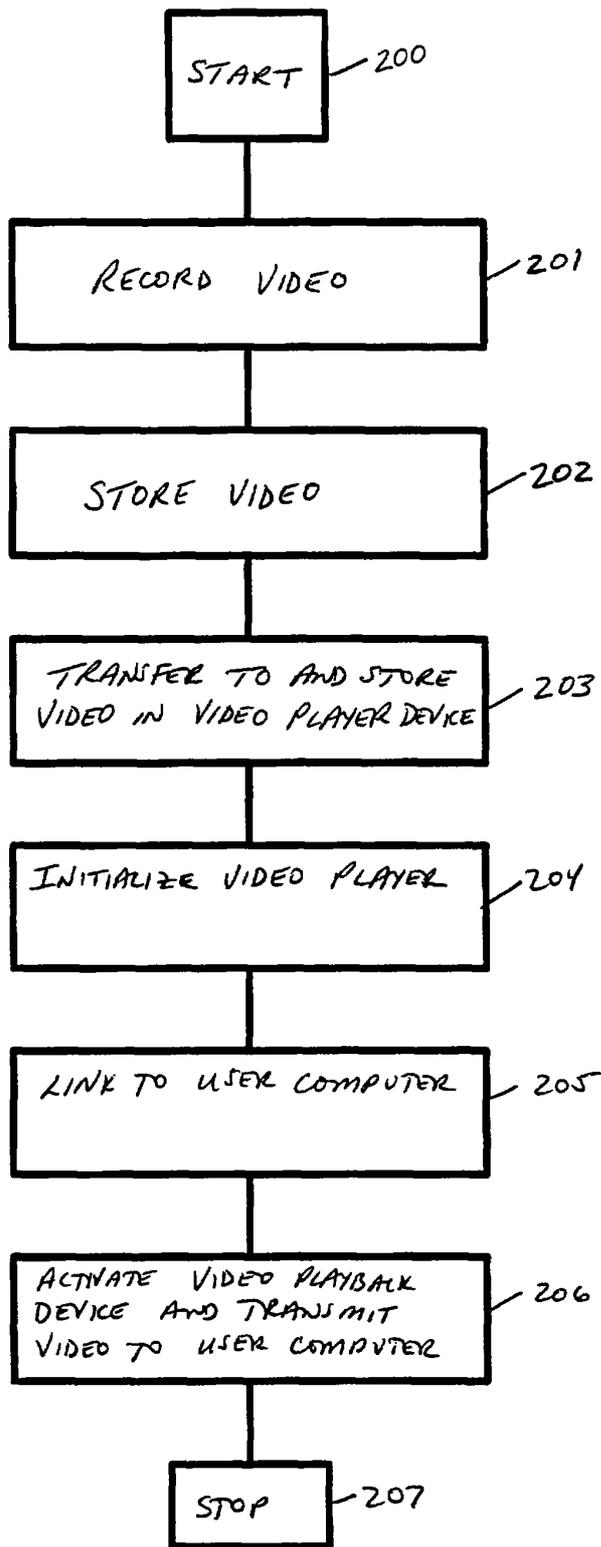
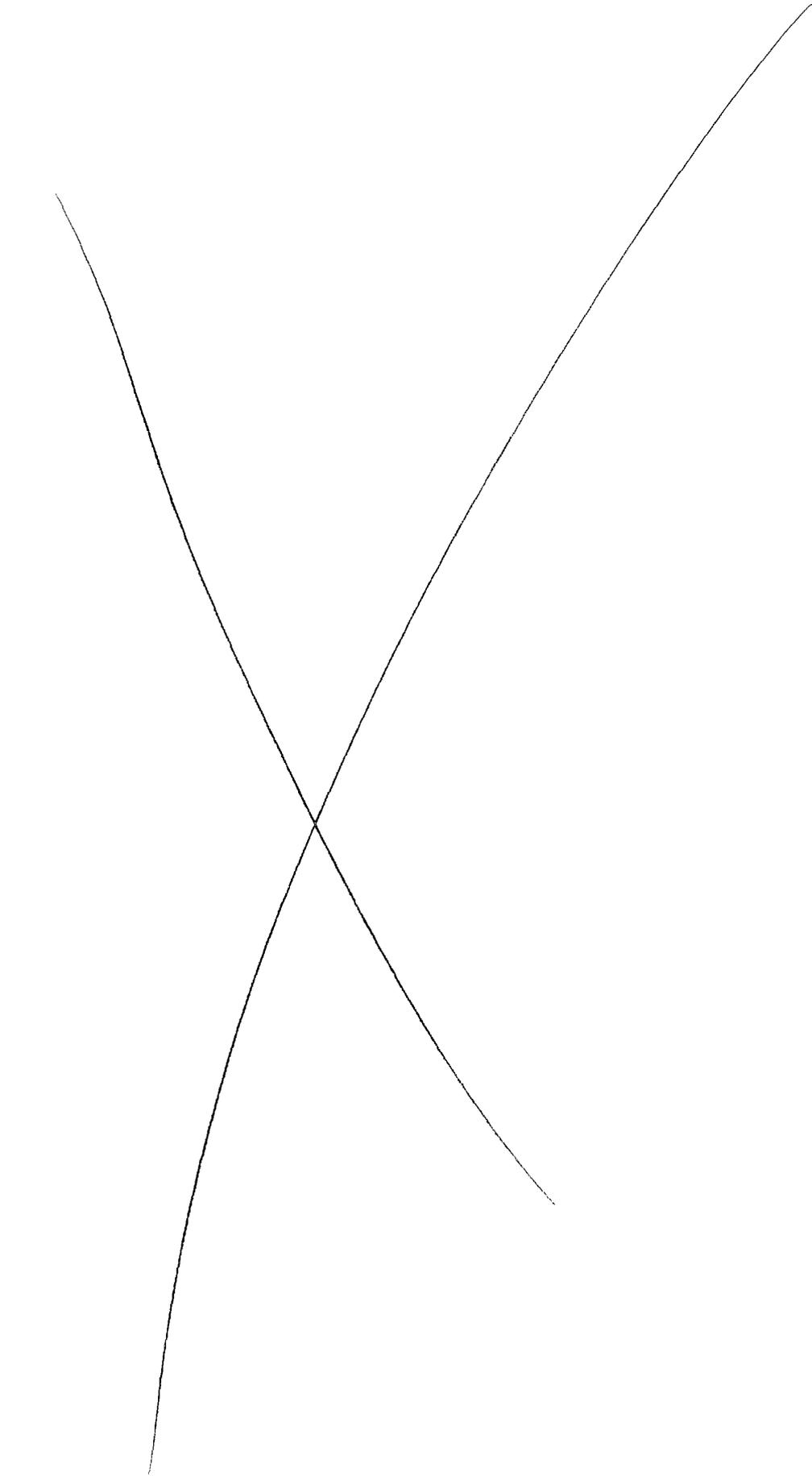
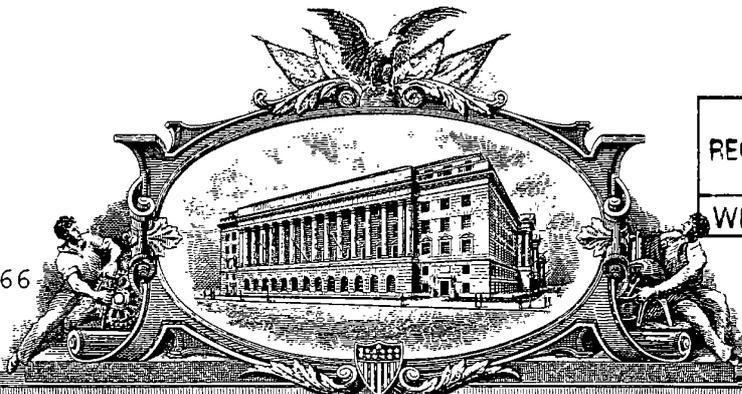


FIG. 2



P1 281766



REC'D 11 AUG 2000

WIPO

PCT

3

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

August 04, 2000

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 60/137,921
FILING DATE: June 07, 1999
PCT APPLICATION NUMBER: PCT/US00/15602



By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS


D. SMITH
Certifying Officer

**PRIORITY
DOCUMENT**

SUBMITTED OR TRANSMITTED IN
COMPLIANCE WITH RULE 17.1(a) OR (b)

06/07/99



Please type a plus sign (+) inside this box →

PTO/SB/16 (2-98)
Approved for use through 01/31/2001. OMB 0651-0037
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

A/PROV



INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Eliot	Bernstein	500 S.E. Mizner Road Suite 102 Boca Raton, FL 33432

Additional inventors are being named on the _____ separately numbered sheets attached hereto

TITLE OF THE INVENTION (280 characters max)

APPARATUS AND METHOD FOR PLAYING VIDEO FILES ACROSS THE INTERNET

Direct all correspondence to: **CORRESPONDENCE ADDRESS**

Customer Number → Place Customer Number Bar Code Label here

OR Type Customer Number here

Firm or
 Individual Name Raymond A. Joao, Esq.

Address Meltzer, Lippe, Goldstein, Wolf & Schlissel, P.C.

Address 190 Willis Avenue

City Mineola State NY ZIP 11501

Country USA Telephone 516-747-0300 Fax 516-747-9363

ENCLOSED APPLICATION PARTS (check all that apply)

Specification Number of Pages one Small Entity Statement

Drawing(s) Number of Sheets Other (specify)

METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)

A check or money order is enclosed to cover the filing fees

The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number:

FILING FEE AMOUNT (\$) **\$75.00**

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

No.

Yes, the name of the U.S. Government agency and the Government contract number are: _____

Respectfully submitted, *Raymond Joao* Date 6/7/99

SIGNATURE Raymond A. Joao REGISTRATION NO. 35,907
(if appropriate)

TYPED or PRINTED NAME TELEPHONE _____ Docket Number: 5865-4

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C., 20231.

60137921 060799

Attorney Docket No.: 5865-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Eliot I. Bernstein
Serial No.: Please assign
Filed on: Concurrently herewith
Title: APPARATUS AND METHOD FOR PLAYING
VIDEO FILES ACROSS THE INTERNET

Box Provisional Application
Assistant Commissioner for Patents
Washington, D.C. 20231

PROVISIONAL PATENT APPLICATION TRANSMITTAL LETTER

Sir:

Please find transmitted herewith for filing the following:

- (1) Provisional Application for Patent Cover Sheet;
- (2) Provisional Patent Application including Specification - 1 page
- (3) Verified Statement Claiming Small Entity Status;
- (4) Check in the amount of \$75.00 for the filing fee; and

662099-1226269

- 5) Power of Attorney form; and
- (6) Return Receipt Postcard.

It is respectfully requested that the above papers be filed as a Provisional Patent Application.

Respectfully submitted,
MELTZER, LIPPE, GOLDSTEIN,
WOLF & SCHLISSEL, P.C.

By: *Raymond A. Joao*
Raymond A. Joao
Reg. No. 35,907

June 7, 1999

MELTZER, LIPPE, GOLDSTEIN,
WOLF & SCHLISSEL, P.C.
190 Willis Avenue
Mineola, New York 11501

Tel. No.: (516) 747-0300
Fax No.: (516) 747-9363

664090 TELEROS

"Express Mail" mailing label number EL35580886945

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Box Provisional Application, Assistant Commissioner for Patents, Washington, D C 20231

Date of Deposit: June 7, 1999
(Signature) *NICOLE ELISE JOAO*

STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR

Docket Number (Optional)

5865-4

Applicant, Patentee, or Identifier: Eliot Bernstein

Application or Patent No.:

Filed or issued: Concurrently herewith

Title: APPARATUS AND METHOD FOR PLAYING VIDEO FILES ACROSS THE INTERNET

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- the specification filed herewith with title as listed above.
the application identified above.
the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e)

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- No such person, concern, or organization exists.
Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Eliot Bernstein NAME OF INVENTOR
Signature of inventor Date
6-7-99

654090 TELETYPE

Butter Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the CPEI Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**APPARATUS AND METHOD FOR PLAYING
VIDEO FILES ACROSS THE INTERNET**

The present invention is directed to an apparatus and a method for an apparatus and method for playing video files across the internet. A preferred embodiment of the invention is described in the following manner.

- Step 1. Record the video using any recording device (video camera, VCR, BETA, film) and save it to any media format (DVD, CD, tape, etc.).
- Step 2. Hook playback device (digital camera, analog camera, tape deck, DVD ROM, etc.) to computer system.
- Step 3. Have the playback device initialized through the Web server via a script.
- Step 4. Using any video conference type software program, connect to the third party.
- Step 5. Begin play of the recorded media directly from the playback device, and share this material across the network.

This process allows any media to be streamed across the Internet without the need for saving the file or compressing the video and allows perfect playback to net users.

BERNSTEIN PATENT ATTORNEYS

Attorney Docket No.: 5865-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY

Application of: Eliot I. Bernstein
 Serial No.: Please assign
 Filed on: Concurrently herewith
 Title: APPARATUS AND METHOD FOR PLAYING VIDEO FILES ACROSS THE INTERNET

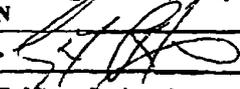
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

RAYMOND A. JOAO, Reg. No. 35,907

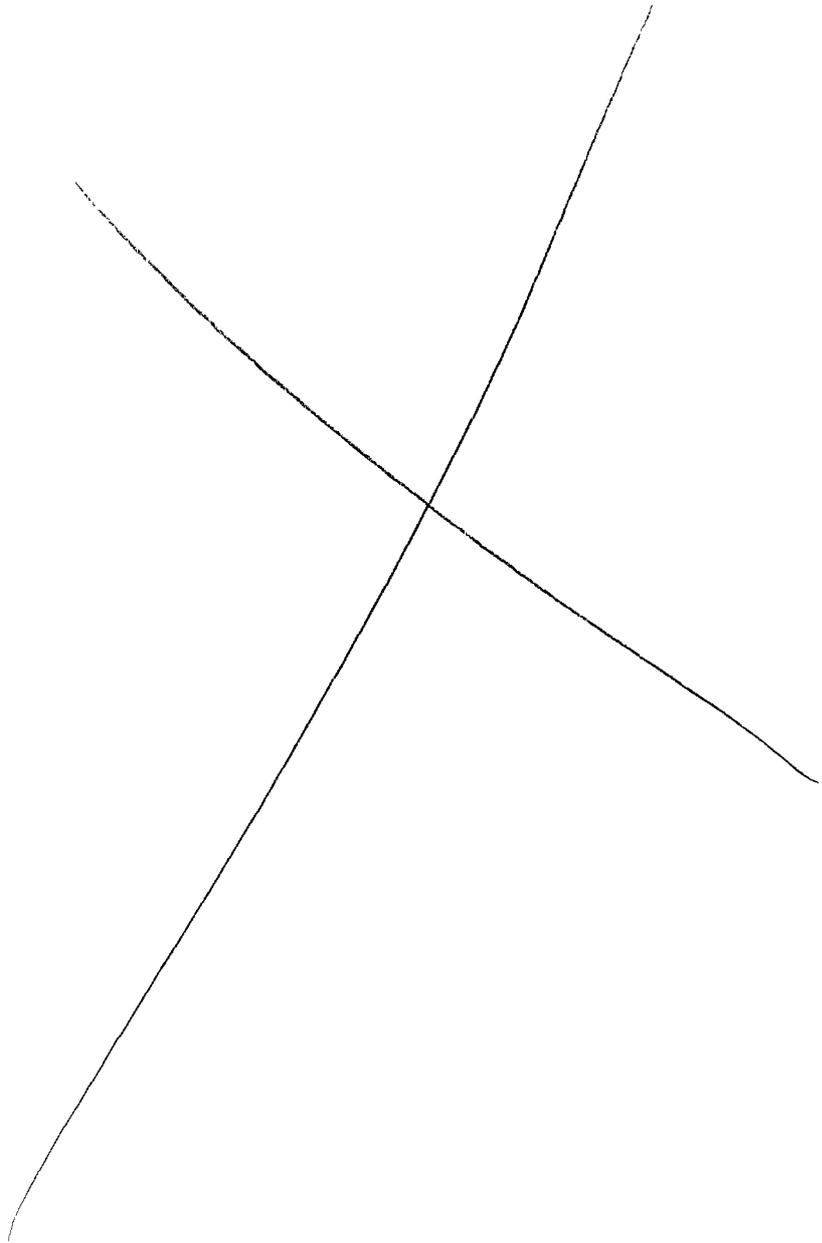
Address all telephone calls to Raymond A. Joao at telephone number: (516) 747-0300
 Address all correspondence to Meltzer, Lippe, Goldstein, Wolf and Schlissel, P.C.
 190 Willis Avenue
 Mineola, New York 11501

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

662090-7262EPO9

Full name of the sole inventor (given name, family name): ELIOT I. BERNSTEIN	
Inventor's signature: > 	Date: > 6-7-99
Residence: 500 S.E. Mizner Boulevard Suite 102 Boca Raton, FL 33432-6080	Citizenship: U.S.A.
Post Office Address: SAME AS ABOVE	

P:\PUBLIC\PATENT\BERNSTEIN\5865-4.POA





P. B. 5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

**Europäisches
Patentamt**

Eingangs-
stelle

**European
Patent Office**

Receiving
Section

**Office européen
des brevets**

Section de
Dépôt

BECKER, Steven, C.
Foley & Lardner
777 East Wisconsin Avenue, 33rd Floor
Milwaukee, WI 53202-5367

ETATS-UNIS D'AMERIQUE

Datum/Date

21/12/00

Zeichen/Ref./Réf.	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 00942690.9-1247-PCT/US0015602
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire IVIEWIT HOLDINGS, INC.	

ENTRY INTO THE EUROPEAN PHASE BEFORE THE EUROPEAN PATENT OFFICE

NOTE: These notes describes the procedural steps required for entry into the European phase before the European Patent Office (EPO). You are advised to read them carefully; failure to take the necessary action in time can lead to your application being deemed withdrawn.

1. European patent application no. 00942690.9 has been allotted to the above-mentioned international patent application.
2. Applicants WITHOUT a residence or their principal place of of business within the territory of an EPC Contracting State may themselves initiate European processing of their international application, provided they do so before expiry of the 21st or 31st month from the the priority date (see also point 7 below).

During the European phase before the EPO as designated or elected Office, however, such applicants must be represented by a professional representative (Articles 133(2) and 134(7) EPC).

Procedural acts performed after expiry of the 21st or 31st month by a professional representative who acted during the international phase but is not authorised to act before the EPO have no legal effect and therefore lead to loss of rights.

Please note that a professional representative authorised to act before the EPO and who acted for the applicant during the international phase does not automatically become the representative for the European phase. Applicants therefore strongly advised to appoint in good time any representative they wish to initiate the European phase for them; otherwise, the EPO has to send all communications direct to the applicant.



3. Applicants WITH a residence or their principal place of business within the territory of an EPC Contractin State are not obliged to appoint a professional representative authorised to act before the EPO for the European phase before the EPO as a designated or elected Office.
However, in view of the complexity of the procedure it is recommended that they do so.
4. Applicants and professional representatives are strongly advised to initiate the European phase using EPO Form 1200 (available free of charge from the EPO). This however is not compulsory.
5. TO ENTER THE EUROPEAN PHASE BEFORE THE EPO, the following acts must be performed. (NB: Failure validly to do so will entail loss of rights or other adverse legal consequences).
- 5.1 If the EPO acting as DESIGNATED OFFICE under Article 22(1) PCT, applicants must, within 21 months from the date of filing or (where applicable) the earliest priority date:
- a) Supply a translation of the international application into an EPO official language, if the International Bureau did not publish the application in such a language (Article 22(1) PCT and Rule 107(1)a) EPC).
If the translation is not filed in due time, the international application is deemed to be withdrawn before the EPO (Article 24(1)(iii) PCT).
 - b) Pay the national basic fee and, where a supplementary European search report has to be drawn up, the search fee (Rule 107(1)c) and e) EPC).
 - c) Within six months from publication of the international search report, pay a designation fee for each designated Contracting State (Rule 107(1)d) EPC), and file a written request for examination and pay the examination fee (Rule 107(1)f) EPC).

Anmeldung Nr./Application No./Demande n°//Patent Nr./Patent No./Brevet n°	Blatt/Page/Feuille
00942690.9	2



5.2 If the EPO is acting as ELECTED OFFICE under Article 39(1)a) PCT, applicants must, within 31 months from the date of filing or (where applicable) the earliest priority date:

- a) File a translation as per 5.1 a) above.
- b) Pay the fees as per 5.1 b) above.
- c) If the time limit under Article 79(2) EPC expires before the 31-month time limit, pay the designation fee for each designated Contracting State (Rule 107(1)d) EPC).
- d) If the time limit under Article 94(2) EPC expires before the 31-month time limit, file the written request for examination A N D pay the examination fee (Rule 107(1)f) EPC).
- e) Pay the renewal fee for the third year, if it falls due before the expiry of the 21-month time limit (Rule 107(1)g) EPC)

5.3 If the application documents on which the European grant procedure is to be based comprise more than ten claims, a claims fee is payable within the time limit under Rule 107(1) EPC for the eleventh and each subsequent claim (Rule 110(1) EPC). The fee can however still be paid within a period of grace of one month from notification of an EPO communication (Rule 110(2) EPC).

6. If the necessary fees are not paid in time, they may still be validly paid within a period of grace of one month from notification of an EPO communication, subject to payment at the same time of a surcharge for each late-paid fee (Rule 85a(1), 85b EPC). For the renewal fee, the period of grace is six months from the fee's due date (Article 86(2) EPC).

7. If the applicant had a representative during the application's international phase, the present notes will be sent to the representative, asking him to inform the applicant accordingly.

All subsequent communications will be sent to the applicant, or - if the EPO is informed of his appointment in time - to the applicants's European representative.

Anmeldung Nr./Application No./Demande n°//Patent Nr./Patent No./Brevet n°	Blatt/Page/Feuille
00942690.9	3



8. For more details about time limits and procedural acts before the EPO as designated and elected Office, see the EPO brochure

How to get a European patent
Guide for applicants - Part 2
PCT procedure before the EPO - "EURO-PCT"

This brochure, the list of professional representatives before the EPO, Form 1200 and the latest fees are all on the internet under

<http://www.european-patent-office.org>.

RECEIVING SECTION



Anmeldung Nr./Application No./Demande n°//Patent Nr./Patent No./Brevet n°	Blatt/Page/Feuille
00942690.9	4

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/76221 A1

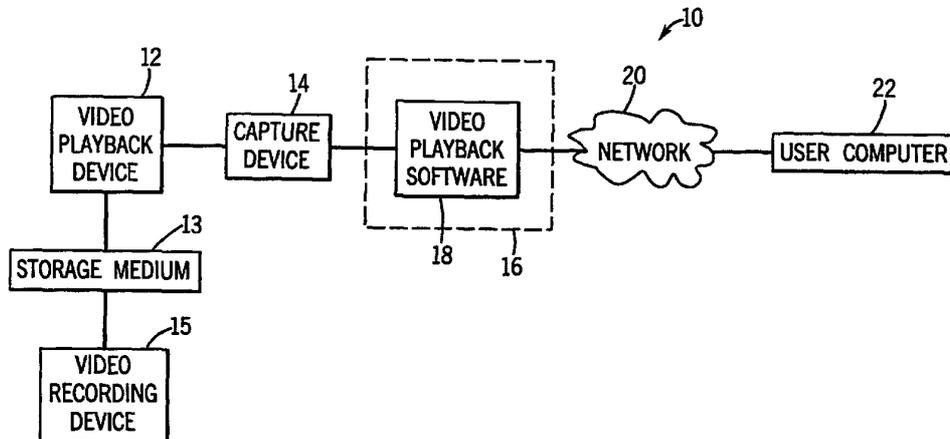
- (51) International Patent Classification⁷: H04N 7/173, 7/24 (74) Agent: BECKER, Steven, C.; Foley & Lardner, 777 East Wisconsin Avenue, 33rd Floor, Milwaukee, WI 53202-5367 (US).
- (21) International Application Number: PCT/US00/15602
- (22) International Filing Date: 7 June 2000 (07.06.2000) (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/137,921 7 June 1999 (07.06.1999) US
60/141,440 29 June 1999 (29.06.1999) US
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (for all designated States except US): IVIEWIT HOLDINGS, INC. [US/US]; One Boca Place, 2255 Glades Road, Suite 337 West, Boca Raton, FL 33431 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BERNSTEIN, Eliot, I. [US/US]; 500 S.E. Mizner Boulevard, Boca Raton, FL 33432-6080 (US). FRIEDSTEIN, Jeffrey, S. [US/US]; 2142 Churchill Lane, Highland Park, IL 60035 (US). UTLEY, Brian, G. [US/US]; 1930 SW 8th Street, Boca Raton, FL 33486 (US).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR VIDEO PLAYBACK OVER A NETWORK



(57) Abstract: A system and method for video playback over a network includes a video playback device configured to transmit a video signal from a non-volatile storage medium and a computer coupled to the video playback device configured to receive the video signal and to transmit the video signal over a network.

WO 00/76221 A1

TITLE OF THE INVENTION

SYSTEM AND METHOD FOR VIDEO PLAYBACK OVER A NETWORK

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Application No. 60/137,921, filed June 7, 1999, and U.S. Provisional Application No. 60/141,440, filed June 29, 1999.

5 FIELD OF THE INVENTION

The present invention relates generally to a system and method for playing a video program over a network. The present invention also relates to a system and method for controlling a video device over a network.

10 BACKGROUND OF THE INVENTION

The widespread and ever-growing use of communication networks, such as the Internet and other computer-to-computer communication networks, for the dissemination of information, has fueled the need to provide for the transmission of video data over these networks. Currently, the transmission of video data over networks has been less than optimal, given current bandwidth and technology constraints. These constraints have impeded the ability to offer enhanced resolution and/or full motion video data over these networks.

20 The Internet marketplace is demanding enhanced resolution and high definition streaming video and precise representations of video images, objects, and events. Streaming video is a technique by which video is played in real time as it is downloaded over the Internet, as opposed to storing it in a local file

first. Video player software, operable on a user computer, decompresses and plays the data as it is transferred to the user computer over the Internet. Streaming video avoids the delay entailed in downloading an entire file and then playing it with a plug-in application. Streaming video requires a communications connection and a computer powerful enough to execute the decompression algorithm in real time.

One application for such technology is in the transmission of full screen video programs upon demand.

Conventional computer network video transmission techniques for streaming video involve playing video over the network under conditions which have been dictated by and, thus, limited by the bandwidth and other technological constraints of the network, the transmission medium and equipment, as well as the computers operating in conjunction therewith. Given these constraints, video data has traditionally been compressed to varying extents in order to facilitate its transmission over a limited-bandwidth network. This compression has resulted in video having less than optimal quality characterized by grainy, blurry, and severely distorted video.

Further, the ability to increase the screen size to a full screen viewing of the video information has also typically been accompanied by severe distortion and reduced resolution.

As a result, there is a need for an improved system and method for video playback over a network. There is further a need for a system and method for video playback that does not require a download at the user computer before viewing. Further still, there is a need for a system and method for controlling playback of a video via the Internet.

BRIEF SUMMARY OF THE INVENTION

According to one exemplary embodiment, a system and method for video playback over a network includes a video playback device configured to transmit a video signal from a non-volatile storage medium and a computer coupled to the video playback device configured to receive the video signal and to transmit the video signal over a network.

According to another exemplary embodiment, a method of video playback over a network includes receiving an operation command; retrieving a video signal from a non-volatile storage medium in response to the operation command; capturing the video signal; and providing the captured video signal over a network to a user computer.

According to yet another exemplary embodiment, a system for video playback over the Internet includes means for storing a video signal; means for receiving an operation command; means for transmitting the video signal in response to the operation command; means for capturing the transmitted video signal; and means for sending the captured video signal over the Internet.

According to another exemplary embodiment, a system for controlling a video device over a network includes a network computer configured to receive an operation command from a remote user over a network, and a video device coupled to the network server configured to receive the operation command from the network server and to perform a video operation based on the operation command.

According to yet another exemplary embodiment, a system for controlling a video device over a network includes a network computer configured to generate a user interface; a user

computer configured to access the user interface via a network; and
a video device coupled to the network computer configured to
receive an operation command from the user computer via the user
interface and to perform a video operation based on the operation
5 command.

According to still another exemplary embodiment, a
system for controlling a video device over the Internet includes
means for receiving a user command from a remote computer over
the Internet, and means for performing a video operation based on
10 the user command.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will become more fully understood from
the following detailed description, taken in conjunction with the
accompanying drawings, wherein like reference numerals refer to like
15 parts, in which:

FIG. 1 is a block diagram of a system for video playback
over a network according to an exemplary embodiment; and

FIG. 2 is a flowchart of a method of video playback
over a network according to the exemplary embodiment of FIG. 1.

20 DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

The exemplary embodiments illustrated in FIGS. 1 and 2
provide a system and method for real-time playback of full-screen
video data over a communication network. Compression and other
manipulation of the video data is optional, since such manipulation
25 typically results in decreased resolution and definition. Furthermore,
saving compressed files of video data is not required to provide
enhanced playback of video data to users over the network. While

the exemplary embodiments are explained with reference to video signals, it is understood that a video signal may include corresponding audio signals therein. Alternatively, the corresponding audio signals may be processed through a different method.

5 FIG. 1 illustrates a system 10 according to an exemplary embodiment. System 10 includes a video playback device 12, a storage medium 13, a capture device 14, a video recording device 15, and a central processing computer 16. Video playback device 12 is coupled through capture device 14 to
10 computer 16. Computer 16 is coupled via a network 20 to a user computer 22. Computer 16, as described herein, performs various data processing functions as well as transmits video data to user computer 22. The video data may be transmitted on demand from a remote user at user computer 22, or upon initiation by or under the
15 control of central processing computer 16.

In this exemplary embodiment, computer 16 is a local network server and user computer 22 is a network client. Computer 16 can be any suitable computer or network of computers, such as, a mainframe computer, a network server computer, a personal
20 computer, etc. User computer 22 can be any suitable computer or communication device such as a personal computer, a personal digital assistant, a hand-held computer, a palm top computer, a video telephone, etc. Computers 16 and 22 include any necessary hardware and software, including interfacing hardware and software
25 for interfacing with other devices, for performing any of the method steps described herein. Computer 16 includes video playback software 18 (e.g., scripts and any associated video playing software, playback software, video conferencing software, etc.) For example, video playback software 18 may include Microsoft

Netmeeting 3.01, manufactured by Microsoft Corp., Redmond, Washington. Computers 16 and 22 are configured to communicate via network 20 (e.g., the Internet, a computer-to-computer network, an internet, an intranet, a local area network (LAN), a wide area network (WAN), etc.) utilizing suitable network interface devices. According to one exemplary embodiment, a high-speed cable connection is utilized on each end of network 20. Alternative network connections include a telephone modem (e.g., at 28 kilobits per second (kbps) or 56 kpbs), an ISDN line, a T1 line, etc.

System 10 further includes a video recording device 15. Video recording device 15 can be a video camera, a Beta video recorder, an 8mm film camera/recorder, a 32mm film camera/recorder, a Beta SP recorder, a VHS (Vertical Helix Scan) recording device, or any other suitable video recording device. One suitable video recording device is a Sony DCR VX-1000 digital video camera, having 3CCD technology, manufactured by Sony Electronics, Inc., Park Ridge, N.J. Video recording device 30 is configured to record an event and store the recorded event on non-volatile storage medium 35. The term "non-volatile storage medium", as used in this application, means a storage medium whose contents are preserved after storing or recording without the use of a power source. Examples of non-volatile storage devices include magnetic disks, magnetic tape, or other forms of magnetic media, compact disk (CD-ROM), digital versatile disk (DVD), or other optical media, Electrically-Erasable Programmable Read-Only Memory (EEPROM), paper tape, punched cards, etc. In contrast, examples of volatile storage devices include static RAM and dynamic RAM (however, while RAM is normally volatile, it can be made into non-volatile storage by having a power source, such as a battery or

rechargeable battery, permanently connected), charge-coupled devices (CCDs), and an acoustic delay line.

Video playback device 12 is configured to play or transmit a video signal from non-volatile storage medium 13 to computer 16 via capture device 14. Video playback device 12 can be a digital camera, an analog camera, a tape deck, a VCR (Video Cassette Recorder), a VHS system, a Beta system, a compact disk player, a video disk player, a digital versatile disk (DVD) player, or any other suitable device for transmitting a video signal from a storage medium. For example, an analog camera has two modes: "camera" and "VCR". When used as a playback device, VCR mode is selected on the camera. Capture device 14 is any interface circuit configured to provide a digital or analog video signal to computer 16. For example, capture device 14 may include a Dazzle LAV-1000S capture device manufactured by Dazzle, Inc. of Fremont, California. Capture device 14 may be internal to computer 16 or video playback device 12 or external to both. The video signal provided to capture device 14 and the captured video signal output by capture device 14 may be in any video format or streaming video format, including television standards, such as, NTSC (National Television Standards Committee), PAL (Phase Alternative Line), SECAM (Séquentiel Couleur Avec Mémoire), digital formats, such as, AVI, MOV, MPEG, a digital format compatible with the IEEE 1394 standard, or other formats.

According to one alternative embodiment, video playback device 12 and computer 16 may be combined as one system, obviating the need for capture device 14. Further, video playback device 12 and video recording device 15 may be the same device (e.g., a VCR).

FIG. 2 illustrates a method 30 of video playback according to an exemplary embodiment. At step 32, an event is recorded by utilizing video recording device 15. At step 34, a video signal is stored on storage medium 13. Typically, recording and storing are performed substantially simultaneously, e.g., in a camcorder. At step 36, the recorded video signal on storage medium 13 is transferred to video playback device 12. For example, if the video signal has been recorded with a video camera and stored on a compact disk, video playback device 12 can be any suitable compact disk player. At step 38, video playback device 12 is initialized via computer 16. Computer 16 initializes video playback device 12 via any suitable program software or a suitable script. In this exemplary embodiment, a software driver for capture device 14 is operable on computer 16. Furthermore, video conference software utilized on computer 16 may also be used to select capture card 14 as a source of video data.

At step 40, computer 16 links to user computer 22. This link may result from an initiation by a remote user via user computer 22, or from an initiation by computer 16. The connection or link between computer 16 and user computer 22 can be accomplished by utilizing any suitable video playback software or video conferencing software operable on each of computers 14 and 22.

At step 42, computer 16 is configured to transmit an operation command to video playback device 12 to command device 12 to perform a video operation corresponding to the operation command. Operation commands may include a play command that causes device 12 to begin transmitting the video signal from storage medium 13, a stop command that causes device 12 to cease

transmitting the video signal from storage medium 13, and other similar commands, such as rewind, fast forward, etc. The operation command may be transmitted through capture device 14 to video playback device 12, or may be transmitted along a separate
5 transmission line or cable.

One alternative system for providing the operation command to video playback device 12 is an infrared signal generator circuit. The infrared signal generator circuit is coupled to computer 16. The circuit receives the operation command from the computer
10 in USB (Universal Serial Bus) format or another signal format. The circuit converts the USB signal to an infrared signal and transmits the infrared signal into the area surrounding computer 16. Video playback device 12 includes an infrared input circuit configured to receive the infrared signal and control one or more operations on the
15 playback device (e.g., play, record, stop, rewind, fast-forward, etc.) based on the operation command on the infrared signal. Alternative circuits, wires, or methods are contemplated for providing the operation command to video playback device 12.

In response to the operation command, video playback
20 device 12 is configured to perform the video operation. For example, in response to receiving a play command, device 12 begins retrieving the video signal from storage medium 13. The video signal may be played locally and/or transmitted to capture device 14. Capture device 14 digitizes the video signal, if the video signal is an
25 analog signal, and provides the digital video signal to video playback software 18. In this exemplary embodiment, video playback software 18 is video conferencing software, such as, Microsoft Netmeeting 3.01. Video playback software 18 may perform one or more processing steps on the video signal, such as, compression,

conversion, encoding, or some other type of data manipulation, based on parameters selected by an operator. For example, an operator selects a full screen mode (e.g., 640 x 480 pixels), a Dazzle video conference driver, and the highest available image quality.

5 User computer 22 may also run video conferencing software, such as Microsoft Netmeeting 3.01, with the same or similar parameters to those of video playback software 18. Capture device 14 may further be configured for full screen mode capture via a driver, the video conferencing software, or otherwise.

10 Video playback software then transmits the video signal across the network 20 (e.g., the Internet) to a user computer 22 in step 44. Finally, user computer 22 operates a software program in step 46 that enables viewing of the video signal (e.g., a video player, such as, RealPlayer, manufactured by RealNetworks, Inc., Seattle,
15 Washington, Microsoft Netmeeting, etc.).

As a further feature, the operation command may be received via network 20 from user computer 22. According to this exemplary feature, computer 16 is configured to generate a user interface (e.g., a web page, a Microsoft Windows screen accessed
20 via remote desktop sharing software, such as, Microsoft Netmeeting, Norton PCAnywhere, etc.) accessible by user computer 22 via network 20. One example of a suitable program operable on computer 16 is Adobe Premier 5.1, manufactured by Adobe Systems Inc., San Jose, California. A user selects "File/Capture/Movie" from
25 user computer 22 using Microsoft Netmeeting, which presents a viewable interface having a plurality of operation commands. A user views the operation command options (e.g., play, stop, rewind, fast-forward, etc.) on the user interface and selects one or more operation command options using a mouse, keyboard, or other input

device. Thus, user computer 22 provides the operation command via a script or other software command to video playback device 12 via video playback software 18.

User computer 22 may further provide an operation
5 command to video recording device 15 or to a simple video camera to command device 15 to perform a video operation (e.g., record, play, rewind, move camera up, move camera down, move camera left, move camera right, zoom camera in, zoom camera out, etc.). Thus, the video camera may be mounted on a motorized camera
10 mounting, the mounting being controllable via the operation command. In this embodiment, in response to a play command or camera command, a video signal is provided in real time (i.e., live) directly from video recording device 15 through capture device 14, through video playback software 18, over network 20 to user
15 computer 22. This feature is particularly advantageous when used with a Sony digital video camera having 3CCD technology due to the increased zooming capability allowed relative to other cameras, particularly standard video conferencing cameras.

In this manner, the exemplary embodiment provides for
20 the transmission of real-time and enhanced resolution video data over network 20. Little or no data compression or other data manipulation is required, thereby maintaining enhanced resolution in the delivered video data. The enhanced resolution video data can be made available at user computer 22 and/or at the computer 16. In
25 another exemplary embodiment, either or both of steps 38 and 40 (i.e., initialization steps) are eliminated.

In an alternative embodiment, the processing steps described herein for video recording device 15, central processing computer 16, and video playback device 12 can be combined into

and performed by one or more integrated devices with the operation of the integrated device being programmed for operation as described herein.

In another alternative embodiment, the video data
5 description herein can be combined with three-dimensional video data so as to provide enhanced resolution three-dimensional video data in a network environment.

According to one application of the principles herein, a plurality of playback devices may be used, each to play back one of
10 a plurality of videos from a cassette tape or DVD to a user accessing the system via the Internet. The videos may be home videos, movies, training sessions, seminars, etc.

According to another application of the principles herein, a video camera may be positioned in a house or other
15 building and coupled through a computer to the Internet. A user may access the video camera remotely (e.g., from work) to monitor the house, control the camera by moving the camera left and right, zoom the camera, etc.

20 EXAMPLE

A first personal computer (PC) was coupled to a Dazzle LAV-1000S capture device. The Dazzle device was then coupled to a Sony TRV900 digital camera having 3CCD technology. A pre-
25 recorded video tape was placed in the camera. The first PC was loaded with Amigo software, manufactured by Dazzle, Inc. and also Microsoft NetMeeting 3.01 software. The Amigo software was used to initialize the Dazzle device to receive a video signal from the

digital camera. The NetMeeting software was used to allow access to the first PC from the Internet.

A second PC at a location remote to that of the first PC was loaded with Microsoft NetMeeting 3.01. The second PC gained
5 access to the first PC via the Internet using the NetMeeting software. From the second PC, a user viewed the Amigo software user interface and selected a "play" command from the user interface. The Amigo software sent the play command through the Dazzle device to the digital camera. The digital camera received the
10 play command and, in response, began transmitting a video signal from the pre-recorded video tape through the Dazzle device to a display window in the Amigo software, which was viewed over the Internet at the second PC.

Next, a user at the second PC selected a "record"
15 command from the user interface of the Amigo software. The Amigo software sent the record command through the Dazzle device to the digital camera. The digital camera received the record command and, in response, began transmitting a video signal representing the live, real-time video being viewed by the digital
20 camera. This video signal was transmitted through the Dazzle device to a display window in the Amigo software, which was viewed over the Internet at the second PC. The video signal was also recorded to a tape in the digital camera.

Subsequently, the Internet connection was replaced by
25 a local area network connection and a modem-to-modem connection, and similar results were obtained.

While the embodiments and application of the invention illustrated in the FIGS. and described above are presently preferred,

it should be understood that these embodiments are offered by way of example only. For example, alternative methods are contemplated for initializing video playback device 12 to operate with computer 16, and alternative methods are contemplated for linking computer 5 16 with user computer 22. Accordingly, the present invention is not limited to a particular embodiment, but extends to various modifications that nevertheless fall within the scope of the appended claims.

WHAT IS CLAIMED IS:

- 1 1. A system for video playback over a network,
2 comprising:
3 a video playback device configured to transmit a video
4 signal from a non-volatile storage medium; and
5 a computer coupled to the video playback device
6 configured to receive the video signal and to transmit the video
7 signal over a network.
- 1 2. The system of claim 1, further comprising a capture
2 device coupled between the video playback device and the
3 computer, the capture device configured to receive the video signal
4 and to generate a digital video signal based on the video signal.
- 1 3. The system of claim 2, wherein the computer utilizes
2 video conferencing software to receive the digital video signal, to
3 perform at least one processing step thereon, and to provide the
4 digital video signal over the network.
- 1 4. The system of claim 3, wherein the processing step
2 includes configuring the digital video signal for full screen display on
3 a user computer.
- 1 5. The system of claim 4, wherein the capture device is
2 configured to capture the video signal at a full screen size.
- 1 6. The system of claim 1, wherein the network includes
2 the Internet.

1 7. The system of claim 1, wherein the video playback
2 device is one of a video cassette recorder, a video cassette player, a
3 digital versatile disk player, and a video camera.

1 8. The system of claim 1, wherein the computer is
2 configured to transmit an operation command to the video playback
3 device.

1 9. The system of claim 8, wherein the computer is
2 configured to receive the operation command from the network.

1 10. The system of claim 9, wherein the operation command
2 is a play command.

1 11. The system of claim 1, wherein the non-volatile storage
2 medium is one of a magnetic tape and a read-only memory.

1 12. The system of claim 8, further comprising an infrared
2 signal generator circuit configured to receive the operation command
3 from the computer and to provide the operation command via an
4 infrared signal to the video playback device.

1 13. A method of video playback over a network,
2 comprising:
3 receiving an operation command;
4 retrieving a video signal from a non-volatile storage
5 medium in response to the operation command;
6 capturing the video signal; and
7 providing the captured video signal over a network to a
8 user computer.

1 14. The method of claim 13, wherein the operation
2 command is generated by a local computer.

1 15. The method of claim 14, wherein the operation
2 command is received from the user computer.

1 16. The method of claim 15, wherein the operation
2 command is a play command.

1 17. The method of claim 13, wherein the non-volatile
2 storage medium is one of a magnetic tape and a read-only memory.

1 18. The method of claim 13, further comprising digitizing
2 the video signal to generate the captured video signal.

1 19. The method of claim 13, wherein the network includes
2 the Internet.

1 20. A system for video playback over the Internet,
2 comprising:
3 means for storing a video signal;
4 means for receiving an operation command;
5 means for transmitting the video signal in response to
6 the operation command;
7 means for capturing the transmitted video signal; and
8 means for sending the captured video signal over the
9 Internet.

1 21. The system of claim 20, further comprising means for
2 generating the operation command.

1 22. The system of claim 21, wherein the operation
2 command is a play command.

1 23. The system of claim 20, wherein the means for storing
2 includes a magnetic tape or a read-only memory.

1 24. The system of claim 20, further comprising means for
2 digitizing the video signal to generate the captured video signal.

1 25. The system of claim 20, wherein the means for
2 receiving an operation command includes an infrared receiver.

3 26. A system for controlling a video device over a network,
4 comprising:

5 a network computer configured to receive an operation
6 command from a remote user over a network; and

7 a video device coupled to the network server configured
8 to receive the operation command from the network server and to
9 perform a video operation based on the operation command.

1 27. The system of claim 26, wherein the network is the
2 Internet.

1 28. The system of claim 27, wherein the video device is a
2 video playback device, wherein the operation command is a play
3 command, and wherein the video operation is a play operation.

1 29. The system of claim 28, wherein the video playback
2 device is configured to retrieve a video signal from a non-volatile
3 storage medium in response to the play command.

4 30. The system of claim 29, wherein the network computer
5 is configured to receive the video signal and to provide the video
6 signal over the Internet to the remote user.

1 31. The system of claim 26, wherein the video device is a
2 video camera, wherein the operation command is a video camera
3 control command.

1 32. The system of claim 31, wherein the video camera
2 control command is one of a video record command, a video camera
3 move command, and a video camera zoom command.

- 1 33. The system of claim 26, further comprising an infrared
- 2 signal generator circuit configured to receive the operation command
- 3 from the computer and provide the operation command via an
- 4 infrared signal to the video device.

1 34. A system for controlling a video device over a network,
2 comprising:
3 a network computer configured to generate a user
4 interface;
5 a user computer configured to access the user interface
6 via a network; and
7 a video device coupled to the network computer
8 configured to receive an operation command from the user computer
9 via the user interface and to perform a video operation based on the
10 operation command.

1 35. The system of claim 34, wherein the network is the
2 Internet.

1 36. The system of claim 34, wherein the video device is a
2 video playback device, wherein the operation command is a play
3 command, and wherein the video operation is a play operation.

1 37. The system of claim 36, wherein the video playback
2 device is configured to transmit a video signal from the non-volatile
3 storage medium in response to the play command.

4 38. The system of claim 37, wherein the network computer
5 is configured to play the video signal across the network to the user
6 computer.

1 39. The system of claim 34, wherein the video device is a
2 video camera, wherein the operation command is a video camera
3 control command.

1 40. The system of claim 39, wherein the operation
2 command is one of a record command, a video camera move
3 command, and a zoom command.

1 41. The system of claim 34, wherein the video device
2 includes an infrared receiver and the network computer includes an
3 infrared transmitter, the infrared transmitter configured to provide an
4 the operation command via an infrared signal to the infrared receiver.

1 42. A system for controlling a video device over the
2 Internet, comprising:
3 means for receiving a user command from a remote
4 computer over the Internet; and
5 means for performing a video operation based on the
6 user command.

1 43. The system of claim 42, wherein the means for
2 performing includes a video playback device, wherein the user
3 command is a play command, and wherein the video operation is a
4 play operation.

1 44. The system of claim 43, further comprising:
2 means for storing a video signal; and
3 means for playing the video signal from the means for
4 storing in response to the play command.

1 45. The system of claim 44, further comprising:
2 means for receiving the video signal and providing the
3 video signal over the Internet to the remote computer.

4 46. The system of claim 42, wherein the means for
5 performing includes a video camera, wherein the user command is a
6 video camera control command.

1 47. The system of claim 46, wherein the video camera
2 control command is one of a video record command, a video camera
3 move command, and a video camera zoom command.

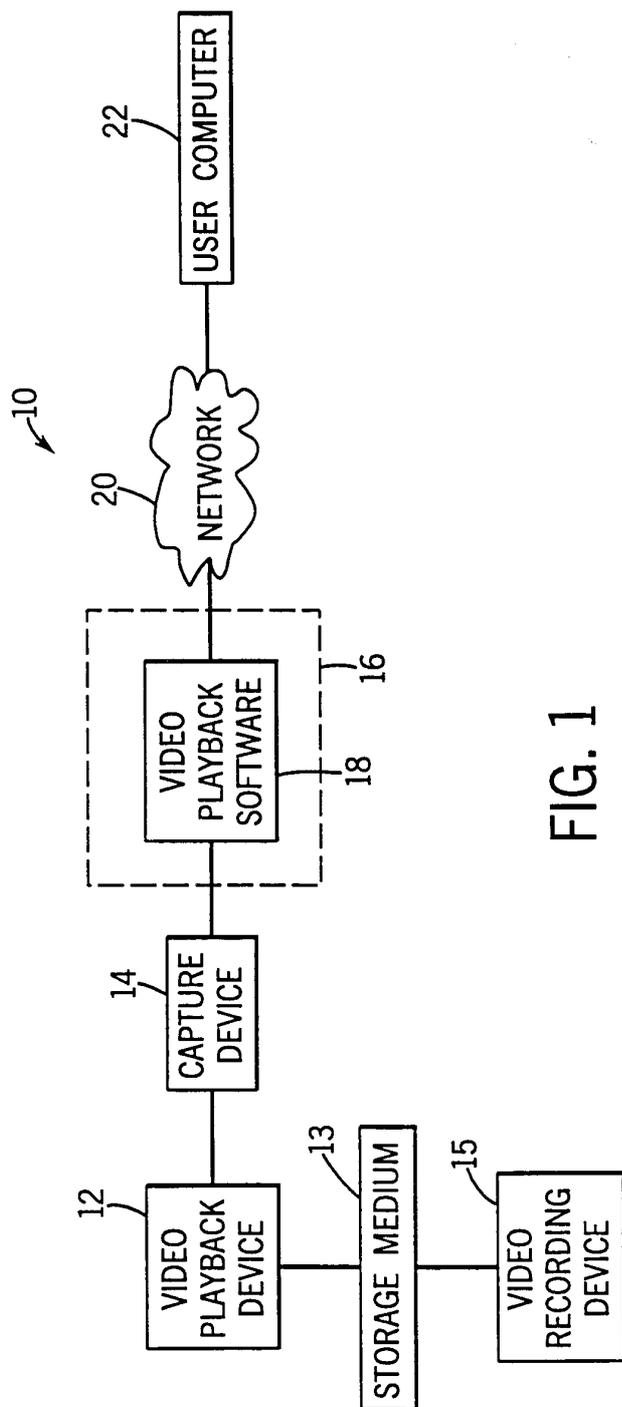
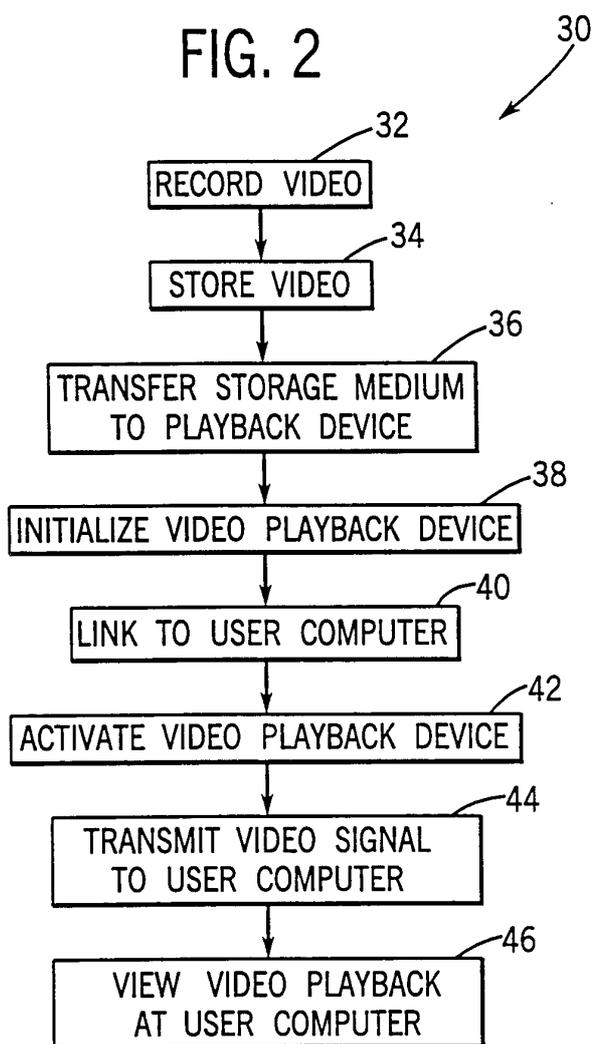


FIG. 1



INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/15602

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04N7/173 H04N7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 515 099 A (CORTJENS LEO M ET AL) 7 May 1996 (1996-05-07) abstract column 1, line 51 - line 60 column 8, line 26 - line 54 column 11, line 9 - line 23 column 18, line 46 - line 61 ---	1-47
A	WO 99 12349 A (DISCOVERY COMMUNICAT INC) 11 March 1999 (1999-03-11) the whole document ---	1-47
A	US 5 546 324 A (PALMER LARRY G ET AL) 13 August 1996 (1996-08-13) abstract; figures 1,2,6 ---	1-47
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 October 2000

Date of mailing of the international search report

27/10/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Giannotti, P

INTERNATIONAL SEARCH REPORT

Internat'l Application No
PCT/US 00/15602

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 53411 A (INTERVU INC ;BROWNELL LONNIE (US); COLBY KENNETH W (US); KENNER BR) 26 November 1998 (1998-11-26) abstract -----	1,13,20, 26,34,42
A	US 5 625 404 A (GRADY JOHN ET AL) 29 April 1997 (1997-04-29) abstract -----	1,13,20, 26,34,42

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/15602

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 5515099	A	07-05-1996	AU 7921094	08-05-1995
			CA 2174336	27-04-1995
			CN 1135823	13-11-1996
			EP 0724809	07-08-1996
			JP 9506217	17-06-1997
			SG 67927	19-10-1999
			WO 9511566	27-04-1995
			US 5528289	18-06-1996
			US 5589878	31-12-1996
			US 5583565	10-12-1996
			US 5598209	28-01-1997
			US 5526037	11-06-1996
			US 5568183	22-10-1996
WO 9912349	A	11-03-1999	AU 9299398	22-03-1999
			EP 1025696	09-08-2000
US 5546324	A	13-08-1996	US 5375068	20-12-1994
			US 5608653	04-03-1997
			US 5594495	14-01-1997
			US 5831666	03-11-1998
			US 5475421	12-12-1995
			US 5623690	22-04-1997
WO 9853411	A	26-11-1998	AU 7593798	11-12-1998
			CN 1260889	19-07-2000
			EP 0983559	08-03-2000
US 5625404	A	29-04-1997	US 5528281	18-06-1996
			US 5410343	25-04-1995
			US 5247347	21-09-1993
			US 5802283	01-09-1998
			US 5712906	27-01-1998
			AU 660710	06-07-1995
			AU 2489492	27-04-1993
			CA 2120031	01-04-1993
			EP 0605454	13-07-1994
			JP 7502629	16-03-1995
			MX 9205012	01-06-1993
			NZ 244083	28-03-1995
			WO 9306692	01-04-1993
			US 5790174	04-08-1998
			AU 6699994	24-10-1994
			WO 9423537	13-10-1994