

03-25-2003

PF020021

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102399226

To the Honorable Director of Patents and Trademarks: Please record the attached original document.

1. Name of conveying party(ies):

Philippe Bordes
Edouard Francois
Philippe Guillotel
Thierry KerberAdditional name(s) of
conveying party(ies)
attached:

X No

3.6.03

2. Name and address of receiving party(ies):

Name: Thomson Licensing S.A.
Internal Address:Street Address: 46 Quai Alphonse le Gallo
F-92100 Boulogne-Billancourt
France

3. Nature of conveyance:

☒ Assignment Merger
☐ Security Agreement Change of Name
☐ Other

Execution Date: March 3, 2003

Additional name(s) & address(es) attached?

X No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: March 3, 2003

A. Patent Application No.(s):

10383454

B. Patent No.(s) ----

Additional numbers attached?

X No

5. Name and address of party to whom correspondence
concerning document should be mailed:Name: JOSEPH S. TRIPOLI
Internal Address: PATENT OPERATIONS
THOMSON MULTIMEDIA LICENSING INC.

Street Address: P. O. BOX 5312

City: PRINCETON State: NEW JERSEY Zip: 08543-5312

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

07-0832

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ronald H. Kurdyla

Name of Person Signing

Signature - Reg. No. 26,932

Date

Total number of pages including cover sheet, attachments, and document 6

OMB No. 0651-0011 (exp. 4/94)

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Director of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

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03/24/2003 TDIAZ1 00000120 070832 10383454

01 FC:0021 40.00 CH

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Philippe Bordes, 6 impasse des Coquelicots, F-35890 Laille, France; Edouard François, 18 allée du Locar, F-35890 Bourg des Comptes, France; Philippe Guillotel, 60 rue de Châteaubriand, F-35770 Vern sur Seiche, France; Thierry Kerber, 26 rue Bezout, F-75014 Paris, France; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

Device and method for inserting error correcting codes and for reconstructing data streams, and corresponding products

for which said assignor has caused an application for United States Letters Patent to be prepared,

- (xx) the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
- () said application having been filed in the United States Patent and Trademark Office on Serial Number ;

AND WHEREAS

THOMSON LICENSING, S.A.
46 quai Alphonse Le Gallo
F-92100 Boulogne Billancourt
FRANCE

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

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PF020021

EXECUTED, this 03 day of March, 2003

WITNESSES:

Signature: [Signature]Name: LE MEUR O.Address: LA SOUCHE
35160 TalerneSignature: [Signature]Name: VIERON J.Address: 14, Sq. Louis Massignon
35000 RENNES

ASSIGNOR:

Signature: [Signature]Name: Philippe BordesEXECUTED, this 03 day of March, 2003

WITNESSES:

Signature: [Signature]Name: LORETTE ANNE
31 rue E. Bernard
35700 RennesSignature: [Signature]Name: KYPREOS Jean
Address: 15 rue Erik Satie
35330 Belton

ASSIGNOR:

Signature: [Signature]Name: Edouard FrançoisEXECUTED, this 03 day of March, 2003

WITNESSES:

Signature: [Signature]Name: LORETTE ANNE
Address: 31 rue E. Bernard
35700 RennesSignature: [Signature]Name: MARGUANT Emmanuelle
Address: 7 rue du General de Gaulle
35340 Liffre

ASSIGNOR:

Signature: [Signature]Name: Philippe Guillotel

EXECUTED, this _____ day of _____, 2003

WITNESSES:

ASSIGNOR:

Signature: _____.

Signature: _____.

Name:

Name: Thierry Kerber

Address:

Signature: _____.

Name:

Address:

- 1 -

PF020021

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46 quai Alphonse Le Gallo
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FRANCE

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PF020021

EXECUTED, this _____ day of _____, 2003

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:

Name: Philippe Bordes

Address:

Signature: _____

Name:

Address:

EXECUTED, this _____ day of _____, 2003

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:

Name: Edouard François

Address:

Signature: _____

Name:

Address:

EXECUTED, this _____ day of _____, 2003

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:

Name: Phillipe Guillotel

Address:

Signature: _____

Name:

Address:

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PF020021

Address:

EXECUTED, this 3rd day of March, 2003

WITNESSES:

Signature:

Name: Isabelle CATINATAddress: Le clos St George
Avenue Provence - 95130 Le
Plessis Bouchard - FR.

Signature:

Name:

MARTIN KOINIS
Address: 3 Allée des Rosiers95860 Saint Nom la Bretonne France

ASSIGNOR:

Signature:

Name: Thierry Kerber