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07-29-1998 MENT OF COMMERCE 'rademark Office 100779049 ginal documents Name and address of receiving party(ies):

Honorable Assistant Commissioner for Patents: Name of conveying party(ies): THOMSON multimedia S.A. Philippe Guillotel Internal Address: Additional name(s) of Yes No X Street Address: 46 Quai A. Le Gallo conveying party(ies) F-92648 Boulogne Cedex attached: France City: Zip: Nature of conveyance: State: Assignment X Merger Security Agreement Change of Name Other June 16, 1998 No X Execution Date: Additional name(s) & address(es) Yes attached? 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:: June 16, 1998 A. Patent Application No.(s) B. Patent No.(s) Yes No X Additional numbers attached Total number of applications and patents involved: 1 Name and address of party to whom correspondence concerning document should be mailed: JOSEPH S. TRIPOLI 7. Total Fee (37 CFR 3.41): \$40.00 PATENT OPERATIONS-GE AND RCA Internal Address: LICENSING MANAGEMENT OPERATION, INC. Enclosed Authorized to be charged to deposit account Deposit account number: Street Address: P.O. Box 5312 07-0832 City: PRINCETON State: NEW JERSEY Zip:08543-5312 DO NOT USE THIS SPACE 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. Paul F. Bawel July 23, 1998 Date Name of Person Signing No. 39,104

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and document:

-1- PF960037

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Philippe Guillotel, 60 rue de Châteaubriant, F-35770 Vern sur Seiche, France, referred to as the assignor, has invented a certain improvement relating to

" PROCESS FOR CODING WITH REGION INFORMATION "

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

- 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 multimedia 46 Quai A. Le Gallo F-92648 Boulogne Cedex 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.

PATENT REEL: 9339 FRAME: 0333 - 2 -PF960037

EXECUTED, this Illih day of Tune, 1998.

WITNESSES:

ASSIGNOR:

Signature: _

Signature: Philippe 60:100 TPC

Genard BRIAND Name:

Name: Philippe Guillotel

Address: THOUSON RULTINESIA

RADFRANCE

1, Av Belle Fontaine 35510 CFSSON-SEVIENE

Signature: 7 14 At

Name: ALDREWY HALLKETT

Address:

of PANELLE

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FLANCE