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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

09/743970 528 Rec'd PCT/PTO PF98994 2001

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Name of conveying party(ies): Philippe Mace	2. Name and address of receiving party(ies): Name: THOMSON multimedia Internal Address:
Additional name(s) of X No conveying party(ies) attached:	Street Address:: 46, quai Alphonse Le Gallo F-92100 Boulogne, Billancourt, France
3. Nature of convenance: K Assignment Merger Security Agreement Change of Name Other	
Execution Date: December 21, 200 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution Patent Application No.(s): PCT/FR99/01736 - July 16, 1999 FR 9809173 - July 17, 1998	Additional name(s) & address(es)attached? X No ton date of the application is: 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.	6. Total number of applications and patents involved:1 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed
Street Address: P. O. BOX 5312	X Authorized to be charged to deposit account 8. Deposit account number: 07-0832
City: PRINCETON State: NEW JERSEY Zip: 08543-5312 DO NOT USE THIS SPACE	
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> **PATENT** REEL: 011531 FRAME: 0548

-1-

PF980045

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Philippe MACE, 4 cité d'Aleth, F-35000 Rennes, France; hereinafter (collectively) referred to as the assignor, have invented a certain improvement relating to

PROCESS FOR TIME-MANAGING THE UTILIZATION OF DATA AND DEVICE IMPLEMENTING THE PROCESS

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 multimedia 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.

EXECUTED, this 21 day of December 2000.

PATENT REEL: 011531 FRAME: 0549

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ASSIGNOR:

Name: Philippe MACE

Signature:

PF980045

WITNESSES:

Signature:

Name: Florence PAC

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Signature: Hasard.

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PATENT

REEL: 011531 FRAME: 0550