

Docket No.: PU070294

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeFORM PTO-1595
VIA FACSIMILE (2 PAGES)
CUSTOMER NO.: 24498
Rev. 1/7/07RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
THANABALAN THAVITTUPITCHAI PAUL
JOHN ALAN GERVAIS
XIAOWEI XU
Additional name(s) of
conveying party(ies)
attached: ☒ No2. Name and address of receiving party(ies):
Name: **THOMSON Licensing**
Internal Address:Street: **46 Quai A. Le Gallo**
F-92100 Boulogne-Billancourt, France3. Nature of conveyance:
☒ Assignment
☐ Security Agreement
☐ Other
Merger
Change of NameAdditional name(s) & address(es) attached? ☒ NoExecution Date: **March 7, 6 and 7, 2008, respectively**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:A. Patent Application No.(s): **US 12/012,064**

B. Patent No.(s)

Additional numbers attached?

Yes No ☒5. Name and address of party to whom correspondence
concerning document should be mailed:Name: **JOSEPH J. LAKS**
Internal Address: **PATENT OPERATIONS**
THOMSON LICENSING LLCStreet 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 account8. Deposit account number:
07-0832

DO NOT USE THIS SPACE

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.***JEFFREY D. HALE**

Name of Person Signing


Signature - Reg. No. **40,012****3/28/08**
DateTotal number of pages including cover sheet, attachments, and document **2**

DO NOT DETACH THIS PORTION

Mail documents to be recorded with this sheet to:

Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P. O. Box 1450
Alexandria, Virginia 22313-1450

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

CH \$40.00 070832 12012064

700365767

PATENT
REEL: 020729 FRAME: 0453

Docket No. PU070294

Customer No. 24498

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (If only one inventor is named below) or one of 3 joint inventors (If plural inventors are named below) of the inventions relating to SYSTEMS AND METHODS FOR DYNAMICALLY REPORTING A BOOT PROCESS IN CONTENT/SERVICE RECEIVERS

described in an Application for Patent filed on January 31, 2008 under Serial No. 12/012,064 and described in the file associated with Docket No. PU070294, listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to THOMSON LICENSING, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with THOMSON LICENSING, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at	<u>Indianapolis, INDIANA</u>	Date	<u>March 07, 2008</u>
Inventor (1)	<u>Thanabalan Thavittupitchai Paul</u> (Type or Print)	<u>P.P. Thanabalan</u> (Signature in Full. No Initials.)	
Post Office Address	<u>12765 Crescent Drive, Carmel, Indiana 46032 US</u>		
1st Witness	<u>DINESH AMBRAVANESWARAN</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No Initials.)	
2nd Witness	<u>SENTHIL S PATHRAKALI</u> (Type or Print)	<u>P. Senthil Selvi</u> (Signature in Full. No Initials.)	
Signed at	<u>11388 Royal Court Carmel IN 46032</u>	Date	<u>March 6, 2008</u>
Inventor (2)	<u>John Alan Gervais</u> (Type or Print)	<u>John Alan Gervais</u> (Signature in Full. No Initials.)	
Post Office Address	<u>11388 Royal Court, Carmel, Indiana 46032 US</u>		
1st Witness	<u>ALWOKHAN V. JOMM</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No Initials.)	
2nd Witness	<u>Vivian Tian</u> (Type or Print)	<u>Vivian Tian</u> (Signature in Full. No Initials.)	
Signed at	<u>Indianapolis, Indiana</u>	Date	<u>Mar. 7, 2008</u>
Inventor (3)	<u>Xiaowei Xu</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No Initials.)	
Post Office Address	<u>13142 Hazelwood Drive, Carmel, Indiana 46033 US</u>		
1st Witness	<u>Scott Klapfenstein</u> (Type or Print)	<u>Scott Klapfenstein</u> (Signature in Full. No Initials.)	
2nd Witness	<u>STEVE TRUE</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No Initials.)	

After this Assignment has been recorded please RETURN to:

Patent Operations
THOMSON Licensing LLC
PO Box 5312
Princeton, NJ 08543-5312

Pat Form Rev. 01/17/2007

PATENT

RECORDED: 03/28/2008

REEL: 020729 FRAME 0454