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Docket No.: PU030153

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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10/556538

To the Honorable Director of the United States Patent and Trademark Office: Please rec	oru uie auacied original documents or copy thereof.
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Additional name(s) of X No conveying party(ies) attached:	Street: 46 Quai A. Le Gallo F-92100 Boulogne-Billancourt, France
3. Nature of convenance: X Assignment Merger Security Agreement Change of Name Other	
Execution Date: October 24, 2005	Additional name(s) & address(es)attached? X No
 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of A. Patent Application No.(s): PCT/US04/13478 	the application is: B. Patent No.(s)
Additional numbers attached? Yes	No X
Name and address of party to whom correspondence concerning document should be mailed: Name: JOSEPH S. TRIPOLI	6. Total number of applications and patents involved: _1_
Internal Address: PATENT OPERATIONS THOMSON LICENSING INC.	7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account
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PATENT

REEL: 017929 FRAME: 0588

Docket No.: PU030153

<u>ASSIGNMENT</u>

WHEREAS, Thomson Licensing S.A., a corporation duly organized and existing under the laws of France, having offices at 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt, France and THOMSON LICENSING, a corporation organized and existing under the laws of France and having offices at 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt, France, entered into an expression to all the designment of certain inventions, to THOMSON LICENSING;

NOW THEREFORE, Thomson Licensing S.A., in consideration of the mutual covenants of said agreement, does hereby assign to THOMSON LICENSING, its successors and assigns, Thomson Licensing S.A.'s entire right, title and interest, for all countries and states, in and to, and including any right to claim priority of:

US Provisional Application No.60/471,166 filed May 16, 2003 PCT Application No. PCT/US04/13478, filed April 30, 2004 Title: REPETITION CODING IN A SATELLITE-BASED COMMUNICATIONS SYSTEM

Thomson Licensing S.A.

Sr. Patent Counsel, Reg. No. 36,229

Thomson Licensing Inc. And Attorney in Fact for Thomson Licensing S.A. THOMSON LICENSING

Joseph J. Opalach

By:

Sr. Patent Counsel, Reg. No. 36,229

Thomson Licensing Inc. And Attorney in Fact for THOMSON LICENSING

NOTARIAL CERTIFICATE

State of New Jersey) :ss
County of Middlesex)

I do hereby certify that Thomson Licensing S.A., and THOMSON LICENSING, mentioned in the foregoing Assignment, both having offices at the addresses listed above, are corporations organized and existing under the laws of the country of France, and that Joseph J. Opalach, who signed the foregoing Assignment this day, is/are fully authorized to execute the document on behalf of Thomson Licensing S.A. and THOMSON LICENSING respectively for this purpose.

Signed and sealed this 4711 day of October, 2005

PATRICIA M. FEDOROWYCZ NOTARY PUBLIC OF NEW JERSEY

My Commission Exp. July 23, 2008

PATENT REEL: 017929 FRAME: 0589

RECORDED: 11/14/2005