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Docket No.: PU040113

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Rev. 10/2005

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Jill MacDonald Boyce and Alexandros Tourapis

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3. Nature of conveyance:

X Assignment
Security Agreement
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Change of Name

Execution Date: June 10, 2005 and June 5, 2005

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

Name: THOMSON LICENSING S.A.

Street Address: 46 Quai A. Le Gallo
F-92100 Boulogne-Billancourt, France

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

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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:

11-09-2006

A. Patent Application No.(s): PCT/US2005013800

B. Patent No.(s)



103334986

Additional numbers attached?

Yes

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5. Name and address of party to whom correspondence
concerning document should be mailed:Name: JOSEPH J. LAKS
Internal Address: PATENT OPERATIONS
THOMSON LICENSING INC.
SUITE 200

Street or PO Address: P. O. Box 5312

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6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41):

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ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 2 joint inventors
(if plural inventors are named below) of the inventions relating to Method and Apparatus Enabling Fast Channel Change for DSL System

and described in Docket No. PU040113 and the thereupon-based International (Patent Cooperation Treaty) Application for patent about to be filed or lately filed by said corporation naming me/us as inventor(s).

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Signed at	<u>Princeton, New Jersey</u>	<u>6/10/05</u>
Inventor (1)	<u>Jill MacDonald Boyce</u> (Type or Print)	<u>Jill MacDonald Boyce</u> (Signature in Full. No initials.)
Post Office Address	<u>3 Brandywine Court, Manalapan, New Jersey 07726</u>	
1st Witness	<u>MARGARET PASLowski</u> (Type or Print)	<u>Margaret Paslowski</u> (Signature in Full. No initials.)
2nd Witness	<u>Dorothy KERRICK</u> (Type or Print)	<u>Dorothy Kerrick</u> (Signature in Full. No initials.)
Signed at	<u>West Windsor, New Jersey</u>	Date <u>6/5/05</u>
Inventor (2)	<u>Alexandros Tourapis</u>	<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address	<u>1550 Vista Club Circle #304, Santa Clara, California 95054</u>	
1st Witness	<u>+ Hye-yeon Cheong</u>	<u>+ [Signature]</u> (Signature in Full. No initials.)
2nd Witness	<u>+ Dan Lelescu</u>	<u>+ Dan Lelescu</u> (Signature in Full. No initials.)
Signed at		Date
Inventor (3)		
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