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Docket No.: PU060111

CUSTOMER NO.: 24498

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Rev. 01/07/2007

U.S. DEPARTMENT OF COMMERCE  
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12-22-2008



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To the Honorable Director of the United States Pa

Attached original documents or copy there

1. Name of conveying party(ies): **Yang Guo**

Name and address of receiving party(ies):

**Bankim B. Patel**  
**Saurabh Mathur**

Name: **THOMSON LICENSING**

**Kumar Ramaswamy**  
Additional name(s) of conveying party(ies) attached:  Yes  No

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

3. Nature of convenience:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Additional name(s) & address(es) attached?  Yes  No

Execution Date: **July 19, July 19, August 11, and July 24, 2006 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):

B. Patent No.(s)

Additional numbers attached? Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: **JOSEPH J. LAKS**  
Internal Address: **PATENT OPERATIONS**  
**THOMSON LICENSING LLC**  
**SUITE 200**  
Street or PO Address: **P. O. Box 5312**  
City: **PRINCETON** State: **NEW JERSEY** Zip: **08543-5312**

7. Total Fee (37 CFR 3.41): **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
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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 M. Navon  
Name of Person Signing

Signature

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PATENT

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Customer No. 24498

Docket No. PU060111

**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 4 joint inventors (if plural inventors are named below) of the inventions relating to ADMISSION CONTROL FOR PERFORMANCE AWARE PEER-TO-PEER VIDEO-ON-DEMAND

described in an Application for Patent filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_ and described in the file associated with Docket No. PU060111, 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>Princeton, NJ</u>	Date	_____
Inventor (1)	<u>Yang Guo</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	<u>1507 Pheasant Hollow Dr., Plainsboro, NJ 08536 USA</u>		
1st Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
2nd Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	_____
Inventor (2)	<u>Bankim B. Patel</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	<u>39 Peterson Rd., Hillsborough, NJ 08852 USA</u>		
1st Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
2nd Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
Signed at	<del>Princeton, NJ</del> <u>BANGALORE SM</u>	Date	<u>08/11/06</u>
Inventor (3)	<u>Saurabh Mathur</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address	<u>1202 Pheasant Run, Monmouth Junction, NJ 08536 USA</u>		
1st Witness	<u>PREM SASIDHARAN</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
2nd Witness	<u>SENTHIL NATHAN S</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)

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Pat Form Rev.  
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ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	<u>Princeton, NJ</u>	Date	_____
Inventor (4)	<u>Kumar Ramaswamy</u> (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	<u>71 Sayre Drive, Princeton, NJ 08540 USA</u>		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____
Signed at	_____	Date	_____
Inventor (5)	_____	(Signature in Full. No initials.)	_____
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____
Signed at	_____	Date	_____
Inventor (6)	_____	(Signature in Full. No initials.)	_____
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____
Signed at	_____	Date	_____
Inventor (7)	_____	(Signature in Full. No initials.)	_____
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____

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Docket No. PU060111

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described in an Application for Patent filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_ and described in the file associated with Docket No. PU060111, 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>Princeton, NJ</u>	Date	<u>7/19/2006</u>
Inventor (1)	<u>Yang Guo</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address	<u>1507 Pheasant Hollow Dr., Plainsboro, NJ 08536 USA</u>		
1st Witness	<u>Pearline Wlooming</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
2nd Witness	<u>Tiffany Cervasio</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	<u>7/19/2006</u>
Inventor (2)	<u>Bankim B. Patel</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address	<u>39 Peterson Rd., Hillsborough, NJ 08852 USA</u>		
1st Witness	<u>Pearline Wlooming</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
2nd Witness	<u>Tiffany Cervasio</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	
Inventor (3)	<u>Saurabh Mathur</u> (Type or Print)		<u>_____</u> (Signature in Full. No initials.)
Post Office Address	<u>1202 Pheasant Run, Monmouth Junction, NJ 08536 USA</u>		
1st Witness	<u>_____</u> (Type or Print)		<u>_____</u> (Signature in Full. No initials.)
2nd Witness	<u>_____</u> (Type or Print)		<u>_____</u> (Signature in Full. No initials.)

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ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	<u>Princeton, NJ</u>	Date	<u>24th July 2008</u>
Inventor (4)	<u>Kumar Ramaswamy</u> (Type or Print)		<u><i>Kumar Ramaswamy</i></u> (Signature in Full. No initials.)
	Post Office Address	<u>71 Sayre Drive, Princeton, NJ 08540 USA</u>	
1st Witness	<u>Pearline Moorine</u> (Type or Print)		<u><i>Pearline Moorine</i></u> (Signature in Full. No initials.)
2nd Witness	<u>Tiffany Cervasio</u> (Type or Print)		<u><i>Tiffany Cervasio</i></u> (Signature in Full. No initials.)
Signed at		Date	
Inventor (5)			
	Post Office Address		
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (6)			
	Post Office Address		
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (7)			
	Post Office Address		
1st Witness			
2nd Witness			

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