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Docket No.: PU070145

U.S. DEPARTMENT OF COMMERCE

12/448234

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):

JOSHUA LAWRENCE KOSLOV, WEN GAO, YIK CHUNG WU

Additional name(s) of
conveying party(ies)
attached:

X No

3. Nature of convenience:

X Assignment
Security Agreement
OtherMerger
Change of Name

Execution Dates: September 14, 2007, September 6, 2007, September 6, 2007

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

Name: THOMSON LICENSING

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

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

X No

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):

PCT/US2006/47699, PCT/US2006/47920, PCT2006/47912, PCT/US47911 and
PCT/US2007/14848

B. Patent No.(s)

Additional numbers attached?

Yes

No

X

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

Name: ROBERT D. SHEDD

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

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

Enclosed

X Authorized to be charged to deposit account

8. Deposit account number:

07-0832

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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.

BRIAN J. DORINI

Name of Person Signing

Signature

Reg. No.43,594

June 12, 2009

Date

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Customer No. 24498

Docket No. PU 070145

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

12/448234

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 IMPROVING SERVICE IN COMMUNICATION SYSTEMS

described in an Application for Patent filed on JUNE 25, 2007 under Serial No. PCT/US07/14848 and described in the file associated with Docket No. PU 070145, 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>Joshua Lawrence Koslov</u>	Date	<u>9/14/2007</u>
Inventor (1)	<u>JOSHUA LAWRENCE KOSLOV</u> (Type or Print)	<u>Princeton, NJ</u> (Signature in Full. No initials.)	
Post Office Address	<u>10 Fairway Drive, Hopewell, New Jersey 08525, USA</u>		
1st Witness	<u>MARK JAMES RODGER</u> (Type or Print)	<u>Mark James Rodger</u> (Signature in Full. No initials.)	
2nd Witness	<u>LAWRENCE HARRISON HAMMER</u> (Type or Print)	<u>Lawrence Harrison Hammer</u> (Signature in Full. No initials.)	
Signed at		Date	
Inventor (2)	<u>WEN GAO</u> (Type or Print)		
Post Office Address	<u>73 Warwick Road, West Windsor, New Jersey 08550, USA</u>		
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (3)	<u>YIK CHUNG WU</u> (Type or Print)		
Post Office Address	<u>2503, Ping Hay House, Tai Ping Estate, Sheung Shui, China</u>		
1st Witness			
2nd Witness			

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Post Office Address <u>10 Fairway Drive, Hopewell, New Jersey 08525, 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>X Princeton, NJ</u>	Date <u>X 09/06/2007</u>
Inventor (2) <u>WEN GAO</u> (Type or Print)	_____ (Signature in Full. No initials.)
Post Office Address <u>73 Warwick Road, West Windsor, New Jersey 08550, USA</u>	
1st Witness <u>X Tiffany Cervasio</u> (Type or Print)	<u>X</u> _____ (Signature in Full. No initials.)
2nd Witness <u>X Curtis Manning</u> (Type or Print)	<u>X</u> _____ (Signature in Full. No initials.)
Signed at _____	Date _____
Inventor (3) <u>YIK CHUNG WU</u> (Type or Print)	_____ (Signature in Full. No initials.)
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Post Office Address <u>10 Fairway Drive, Hopewell, New Jersey 08525, USA</u>	
1st Witness (Type or Print)	(Signature in Full. No initials.)
2nd Witness (Type or Print)	(Signature in Full. No initials.)
Signed at	Date
Inventor (2) <u>WEN GAO</u> (Type or Print)	(Signature in Full. No initials.)
Post Office Address <u>73 Warwick Road, West Windsor, New Jersey 08550, 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>Pokfulam, HONG KONG</u>	Date <u>6 Sept 2007</u>
Inventor (3) <u>YIK CHUNG WU</u> (Type or Print)	(Signature in Full. No initials.) <u>Yik Chung Wu</u>
Post Office Address <u>2503, Ping Hay House, Tai Ping Estate, Sheung Shui, China</u>	<u>HONG KONG 9.7.2007</u>
1st Witness <u>HUNG Ngai</u> (Type or Print)	(Signature in Full. No initials.) <u>Ngai</u>
2nd Witness <u>WONG Kenneth Kin-Yip</u> (Type or Print)	(Signature in Full. No initials.) <u>Wong</u>

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