

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Haiqing H. MA	05/08/2013
RECEIVING PARTY DATA	
Name:	ALCATEL-LUCENT CANADA INC.
Street Address:	600 March Road
City:	Ottawa, Ontario
State/Country:	CANADA
Postal Code:	K2K2E6
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13891358
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ATTORNEY DOCKET NUMBER:	ALC 3863
NAME OF SUBMITTER:	Jamyn L. Ray
Signature:	/Jamyn L. Ray/
Date:	05/10/2013
Total Attachments: 3 source=ASSIGNPAPERS#page1.tif source=ASSIGNPAPERS#page2.tif source=ASSIGNPAPERS#page3.tif	

OP \$40.00 13891358

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Haiqing H. MA

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: ALCATEL-LUCENT CANADA INC.

Internal Address: _____

Street Address: 600 March Road

City: Ottawa

State: Ontario

Country: CA Zip: K2K 2E6

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 05/08/2013

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kramer & Amado P.C.

Internal Address: _____

Street Address: 330 John Carlyle St., Suite 300

City: Alexandria

State: VA Zip: 22314

Phone Number: 703-519-9801

Fax Number: 703-519-9802

Email Address: mail@krameramado.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 500578

Authorized User Name Terry W. Kramer

9. Signature:

/Terry W. Kramer/
Signature

05/09/2013
Date

Terry W. Kramer
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Attorney Ref.: ALC 3863

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, whose names and full post office addresses are set out below:

<u>Name</u>	<u>Address</u>
Haiqing H. MA	600 March Road Ottawa, ON K2K 2E6 Canada

do hereby sell, assign and transfer to **ALCATEL-LUCENT CANADA INC.**, hereinafter called the assignee, whose full post office address is 600 March Road, Ottawa, Ontario K2K 2E6, Canada and to the assignee's successors, assigns or other legal representatives, our entire right, title, interest, property and benefit for Canada, the United States of America and all other countries, in and to our invention relating to

PCC QOS AUTHORIZATION BASED ON RULE SPLIT AND FLOW DIRECTION

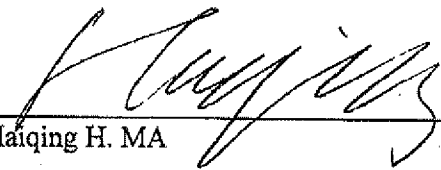
including subject matter which is fully set forth and described in my application for Letters Patent of the United States of America, for which a declaration has been signed on even date herewith; together with our entire right, title, interest, property and benefit for Canada, the United States of America and all other countries, in and to the aforementioned applications, and any foreign applications corresponding thereto and any Letters Patent which may issue for the invention from such applications, including all divisions, continuations, continuations-in-part, re-examinations, reissues and extensions, and any rights of priority resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to

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be held and enjoyed as fully and exclusively as they would have been by us had this sale,
assignment and transfer not been made;

We hereby covenant and agree to do all such things and to execute consideration such
without further consideration such further assurances, applications and other instruments as may
reasonably be required by the assignee to obtain Letters Patent in Canada, the United States of
America and all other countries, for the invention, and vest the same in the Assignee.

May 8, 2013
Date

, Inventor
Haiqing H. MA