

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert A. MANN</td> <td>05/08/2013</td> </tr> <tr> <td>Mikael VIHTARI</td> <td>05/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Robert A. MANN	05/08/2013	Mikael VIHTARI	05/08/2013
Name	Execution Date						
Robert A. MANN	05/08/2013						
Mikael VIHTARI	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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13891587</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13891587		
Property Type	Number						
Application Number:	13891587						
CORRESPONDENCE DATA							
Fax Number:	7035199802						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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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							

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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)

Robert A. MANN and Mikael VIHTARI

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) May 8, 2013, respectively

- 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: _____

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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

05-10-2013
Date

Terry W. Kramer
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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

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>
Robert A. MANN	600 March Road Ottawa, ON K2K 2E6 Canada
Mikael VIHTARI	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

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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 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

Robert A. Mann, Inventor
Robert A. MANN

May 8, 2013
Date

Mikael Vihtari, Inventor
Mikael VIHTARI