

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name             | Execution Date |
|------------------|----------------|
| Fan Mo           | 01/06/2011     |
| Satvinder Bawa   | 01/06/2011     |
| Lui Yeung        | 01/06/2011     |
| Justin Newcomb   | 01/06/2011     |
| Lay Been Tan     | 01/06/2011     |
| Felix Landry     | 01/06/2011     |
| Ivaylo Tanouchev | 01/06/2011     |

RECEIVING PARTY DATA

|                   |                            |
|-------------------|----------------------------|
| Name:             | ALCATEL-LUCENT CANADA INC. |
| Street Address:   | 600 March Road             |
| Internal Address: | P.O. Box 13600             |
| City:             | Kanata, ON                 |
| State/Country:    | CANADA                     |
| Postal Code:      | K2K 2E6                    |

PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12987383 |

CORRESPONDENCE DATA

Fax Number: (613)230-8821  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 613-236-9561  
Email: patents@markclerk.com  
Correspondent Name: Marks & Clerk  
Address Line 1: P.O. Box 957, Station B  
Address Line 2: 1900-180 Kent Street  
Address Line 4: Ottawa, ON, CANADA K1P 5S7

501401305

PATENT  
REEL: 025609 FRAME: 0129

CH \$40.00 12987383

|   |              |
|---|--------------|
| ATTORNEY DOCKET NUMBER:   | 24296-US     |
| NAME OF SUBMITTER:  | S. Mark Budd |
| <p>Total Attachments: 8</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p> <p>source=Assignment#page4.tif</p> <p>source=Assignment#page5.tif</p> <p>source=Recordal#page1.tif</p> <p>source=Recordal#page2.tif</p> <p>source=Recordal#page3.tif</p> |              |

## A S S I G N M E N T

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>                                       |
|------------------|--|
| Fan MO           | 18 Forillon Crescent<br>Kanata, ON K2M 2W7<br>CANADA |
| Satvinder BAWA   | 9 Windgate Crescent<br>Ottawa, ON K2M 2X8<br>CANADA  |
| Lui YEUNG        | 62 Beamish Crescent<br>Kanata, ON K2K 2R7<br>CANADA  |
| Justin NEWCOMB   | 62 Beamish Crescent<br>Kanata, ON K2K 2R7<br>CANADA  |
| Lay Been TAN     | 62 Beamish Crescent<br>Kanata, ON K2K 2R7<br>CANADA  |
| Felix LANDRY     | 129 Chemin Braun<br>Pontiac, QC J0X 2G0<br>CANADA    |
| Ivaylo TANOUCHEV | 812 Torsa Crt.<br>Ottawa, ON K2B 8P8<br>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, P.O. BOX 13600, KANATA, 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

**RADIUS GATEWAY ON POLICY CHARGING AND RULES FUNCTION (PCRF) FOR  
WIRELINE/WIRELESS CONVERGED SOLUTION**

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 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;

In witness whereof, we have hereunto signed my name on the day and year set forth below.

**Signature and Statement of Witness for Fan MO:**

Signature of Fan MO

Signed at Ottawa, this  
6th day of Jan, 2011.

F. Mo  
(Signature of Fan MO)

**Statement of Witness**

I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)

address is 7 SCHEEL DR ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)

state that I was personally present and did see Fan MO who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

Maxine Raycroft  
(Signature of Witness)

Signature and Statement of Witness for Satvinder BAWA:

Signature of Satvinder BAWA

Signed at OTTAWA this

6th day of Jan, 2011.


  
(Signature of Satvinder BAWA)

Statement of Witness

I, THOMAS STEIN, whose full post office  
(Name of Witness)

address is 501 Church St. Winchester ON K0C2K0  
(Address of Witness)

state that I was personally present and did see **Satvinder BAWA** who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

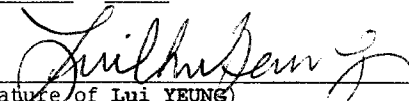
  
(Signature of Witness)

Signature and Statement of Witness for Lui YEUNG:

Signature of Lui YEUNG

Signed at Ottawa, this

6th day of Jan, 2011.

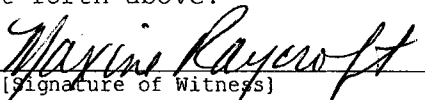
  
(Signature of Lui YEUNG)

Statement of Witness

I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)

address is 7 SCHEEL DR ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)

state that I was personally present and did see **Lui YEUNG** who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

  
(Signature of Witness)

Signature and Statement of Witness for Justin NEWCOMB:

Signature of Justin NEWCOMB

Signed at Ottawa, this  
6<sup>th</sup> day of January, 2011.

Justin Newcomb  
(Signature of Justin NEWCOMB)

Statement of Witness

I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)  
address is 7 SCHEEL DR ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)  
state that I was personally present and did see Justin NEWCOMB who is  
personally known to me to be the person named in the above assignment,  
duly execute the same on the date set forth above.

Maxine Raycroft  
(Signature of Witness)

Signature and Statement of Witness for Lay Been TAN:

Signature of Lay Been TAN

Signed at Ottawa, this  
6 day of January, 2011.

Lay Been Tan  
(Signature of Lay Been TAN)

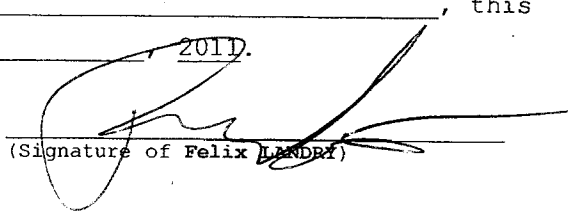
Statement of Witness

I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)  
address is 7 SCHEEL DR ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)  
state that I was personally present and did see Lay Been TAN who is  
personally known to me to be the person named in the above assignment,  
duly execute the same on the date set forth above.

Maxine Raycroft  
(Signature of Witness)

Signature and Statement of Witness for Felix LANDRY:

Signature of Felix LANDRY  
Signed at Ottawa, this  
6th day of Jan, 2011.

  
(Signature of Felix LANDRY)

Statement of Witness

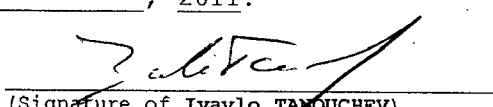
I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)  
address is 7 SCHEEL DR, ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)

state that I was personally present and did see Felix LANDRY who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

  
(Signature of Witness)

Signature and Statement of Witness for Ivaylo TANOUCHEV:

Signature of Ivaylo TANOUCHEV  
Signed at Ottawa, this  
6th day of January, 2011.

  
(Signature of Ivaylo TANOUCHEV)

Statement of Witness

I, MAXINE RAYCROFT, whose full post office  
(Name of Witness)  
address is 7 SCHEEL DR, ARNPRIOR ONTARIO K7S3G8 CANADA  
(Address of Witness)

state that I was personally present and did see Ivaylo TANOUCHEV who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

  
(Signature of Witness)

## 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)

Fan Mo, Satvinder Bawa, Lui Yeung,  
Justin Newcomb, Lay Been Tan, Felix Landry,  
Ivaylo Tanouchev

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

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

Execution Date(s) January 6, 2011

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: ALCATEL-LUCENT CANADA INC.

Internal Address: P.O. Box 13600

Street Address: 600 March Road

City: Kanata

State: ON

Country: CANADA Zip: K2K 2E6

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

### 4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/987,383

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Marks & Clerk

Internal Address: P.O. Box 957, Station B

Street Address: 1800-280 Slater Street

City: Ottawa

State: ON CANADA Zip: K1P 5S7

Phone Number: 613-236-9561

Fax Number: 613-230-8821

Email Address: patents@markclerk.com

### 6. Total number of applications and patents involved: 1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

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

### 8. Payment Information

Deposit Account Number 13-1717

Authorized User Name Marks & Clerk

### 9. Signature:

/smarkbudd53880/

Signature

January 10, 2011

Date

S. Mark Budd

Name of Person Signing

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

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

**PATENT**  
**REEL: 025609 FRAME: 0136**



## Guidelines for Completing Patents Cover Sheets (PTO-1595)

Cover Sheet information must be submitted with each document to be recorded. If the document to be recorded concerns both patents and trademarks separate patent and trademark cover sheets, including any attached pages for continuing information, must accompany the document. All pages of the cover sheet should be numbered consecutively, for example, if both a patent and trademark cover sheet is used, and information is continued on one additional page for both patents and trademarks, the pages of the cover sheet would be numbered from 1 to 4.

### Item 1. Name of Conveying Party(ies).

Enter the full name of the party(ies) conveying the interest. If there is insufficient space, enter a check mark in the "Yes" box to indicate that additional information is attached. The name of the additional conveying party(ies) should be placed on an attached page clearly identified as a continuation of the information Item 1. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the party(ies) other than the owner of the patent or patent application as the conveying party(ies).

### Item 2. Name and Address of Receiving Party(ies).

Enter the name and full address of the first party receiving the interest. If there is more than one party receiving the interest, enter a check mark in the "Yes" box to indicate that additional information is attached. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the patent or patent application owner(s) as the receiving party.

### Item 3. Nature of Conveyance/Execution Date(s).

Enter the execution date(s) of the document. It is preferable to use the name of the month, or an abbreviation of that name, in order that confusion over dates is minimized. Place a check mark in the appropriate box describing the nature of the conveying document. If the "Other" box is checked, specify the nature of the conveyance.

### Item 4. Application Number(s) or Patent Number(s).

Indicate the application number(s), and/or patent number(s) against which the document is to be recorded. National application numbers must include both the series code and a six-digit number (e.g., 07/123,456), and international application numbers must be complete (e.g., PCT/US91/12345).

Enter a check mark in the appropriate box: "Yes" or "No" if additional numbers appear on attached pages. Be sure to identify numbers included on attached pages as the continuation of Item 4. Also enter a check mark if this Assignment is being filed with a new application.

### Item 5. Name and Address of Party to whom correspondence concerning the document should be mailed.

Enter the name and full address of the party to whom correspondence is to be mailed.

### Item 6. Total Applications and Patents involved.

Enter the total number of applications and patents identified for recordation. Be sure to include all applications and patents identified on the cover sheet and on additional pages.

### Block 7. Total Fee Enclosed.

Enter the total fee enclosed or authorized to be charged. A fee is required for each application and patent against which the document is recorded.

### Item 8. Payment Information.

Enter the deposit account number and authorized user name to authorize charges.

### Item 9. Signature.

Enter the name of the person submitting the document. The submitter must sign and date the cover sheet. Enter the total number of pages including the cover sheet, attachments, and document.

This collection of information is required by 35 USC 261 and 262 and 15 USC 1057 and 1060. The information is used by the public to submit (and by the USPTO to process) patent and trademark assignment requests. After the USPTO records the information, the records for patent and trademarks, assignments, and other associated documents can be inspected by the public. To view documents recorded under secrecy orders or documents recorded due to the interest of the federal government, a written authorization must be submitted. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the form to the USPTO. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Manager of the Assignment Division, USPTO, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

## Privacy Act Statement for Patent Assignment Recordation Form Cover Sheet

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with the above request for information. This collection of information is authorized by 35 U.S.C. 1, 2, 261 and E.O. 9424. This information will primarily be used by the USPTO for the recordation of assignments related to patents and patent applications. Submission of this information is voluntary but is required in order for the USPTO to record the requested assignment. If you do not provide the information required on the cover sheet, the assignment will not be recorded, and all documents will be returned to you.

After the information is recorded, the records and associated documents can be inspected by the public and are not confidential, except for documents that are sealed under secrecy orders or related to unpublished patent applications. Assignment records relating to unpublished patent applications are maintained in confidence in accordance with 35 U.S.C. 122. Records open to the public are searched by users for the purpose of determining ownership for other property rights with respect to patents and trademarks.

Routine uses of the information you provide may also include disclosure to appropriate Federal, state, local, or foreign agencies in support of their enforcement duties and statutory or regulatory missions, including investigating potential violations of law or contract and awarding contracts or other benefits; to a court, magistrate, or administrative tribunal in the course of presenting evidence; to members of Congress responding to requests for assistance from their constituents; to the Office of Management and Budget in connection with the review of private relief legislation; to the Department of Justice in connection with a Freedom of Information Act request; to a contractor in the performance of their duties; to the Office of Personnel Management for personnel studies; and to the General Services Administration (GSA) as part of their records management responsibilities under the authority of 44 U.S.C. 2904 and 2906. Such disclosure to GSA shall not be used to make determinations about individuals.