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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 801125

To the Honorable Commissioner of Patent

103473737

d original documents or copy thereof.

1. Name of conveying party(ies):

- a) Bashar Said Bou-Diab
b) Olivier Le Moigne
c) John Coulter

Additional names of conveying party(ies) attached?

☐ yes ☒ no

3. Nature of Conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: a) December 18, 2007
b) December 18, 2007
c) December 19, 2007

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

Name: ALCATEL LUCENT

Internal Address:

54, rue La Boetie
75008 Paris, France

Street Address: Same as Above

City

State

Zip

Additional name(s) & address(es) attached? ☐ yes ☒ no

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

Title: **A METHOD AND TOOL FOR IP MULTICAST NETWORK ADDRESS TRANSLATION (MNAT)**

If this document is being filed together with a new application, the execution date of the application is December 21, 2007

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:

**Raymond M. Galasso
Galasso & Associates, LP
P.O. Box 26503
Austin, Texas 78755-0503
USA**

6. Total number of applications and patents involved: 1

7. Total fee (37 CVF 3.41): \$ 40.00

☐ Check Enclosed

☒ Authorized to be charged to deposit account

☒ Total fee due

☒ Any deficiencies in the enclosed fees

8. Deposit account number:

50-3446

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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.

Raymond M. Galasso
Name of Person Signing
Registration 37,832

Tel.: (512) 306-8533

Signature

December 21, 2007
Date

Total number of pages comprising cover sheet: 1

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>
Bashar Said Bou-Diab	808-18 Deerfield Drive Ottawa, Ontario, K2G 4L1 Canada
Olivier Le Moigne	30 McEwen Ave. – Apt. 2503 Ottawa, Ontario, K2B 5K8 Canada
John Coulter	15 Queenston Drive Richmond, Ontario, K0A 2Z0 Canada

do hereby sell, assign and transfer to **ALCATEL LUCENT**, hereinafter called the assignee, whose full post office address is 54, rue La Boétie, 75008 Paris, France, 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

**A METHOD AND TOOL FOR IP MULTICAST
NETWORK ADDRESS TRANSLATION (MNAT)**

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 Bashar Said Bou-Diab

Signature of Bashar Said Bou-Diab

Signed at OTTAWA, this 18th day of DECEMBER, 2007.


(Signature of Bashar Said Bou-Diab)

Statement of Witness

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

that I was personally present and did see Bashar Said Bou-Diab 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 Olivier Le Moigne:

Signature of Olivier Le Moigne

Signed at OTTAWA, this 18 day of December, 2007.


(Signature of Olivier Le Moigne)

Statement of Witness

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

that I was personally present and did see Olivier Le Moigne 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 John Coulter:**Signature of John Coulter**Signed at Ottawa, this 19 day of
DECEMBER, 2007.
(Signature of John Coulter)**Statement of Witness**I, MAXINE RAYCROFT, whose full post office address is

(Name of Witness)

7 SHEPP DR, ARNPRIOR, ONTARIO, K7S3G8, CANADA state

(Address of Witness)

that I was personally present and did see **John Coulter** 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]