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U.S. DEPARTMENT OF COMMERCE  
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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 addresses below.

☒ Via Facsimile  
Docket No.: P08576US00/BAS

**1. Name of conveying party(ies):**

- |                        |                         |
|------------------------|-------------------------|
| 1. Lie QIAN            | 2. Yiyan TANG           |
| 3. Yuke WANG           | 4. Bashar Said BOU-DIAB |
| 5. Wladyslaw OLESINSKI |                         |

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

Name: ALCATEL  
Street Address: 54, rue La Boetie  
City + Address: 75008 Paris, FRANCE

**3. Nature of conveyance / Execution date(s):**

Execution Date(s): 06/16/05; 06/16/05; 06/16/05; 05/16/05; 05/31/05

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

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

☐ This document is filed together with a new application.

A. Patent Application No.(s)  
11/067,506

B. Patent No.(s)

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

Name: B. Aaron Schulman  
STITES & HARBISON PLLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314-1437  
Telefax: 703-739-9577 • Telephone: 703-739-4900 • CUSTOMER NO. 00881

**6. Total number of applications and patents involved:**

#1

**7. Total fee (37 CFR 1.21(h) & 3.41)**

☒ Authorized to be charged by attached CREDIT CARD PAYMENT FORM (PTO-2038)  
(Any insufficiency of fee herewith is authorized to be charged to Deposit Account No. 12-0555)

\$40

**8. Payment Information**    Credit Card: Last 4 Numbers 1009    Expiration Date: 12/09

**9. Signature:**

B. Aaron Schulman

Name of person signing

*B. Aaron Schulman for # 28519*

Signature

21 June 2005

Date

Total number of pages including cover sheet, attachments and documents: 14

Documents to be recorded (including cover sheet) should be faxed to (703)-306-5995; or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

OP \$40.00 11067506

Attorney Ref. 150012-US

## 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>
Lie Qian	2700 Waterview Pkwy, Apt. 4523 Richardson, TX 75080 USA
Yiyan Tang	2200 Waterview Pkwy, Apt. 1937 Richardson, TX 75080 USA
Yuke Wang	1912 Forestdale Drive Richardson, Texas 75081 USA
Bashar Said Bou-Diab	87 Fifth Avenue Ottawa, Ontario K1S 2M3 Canada
Wladyslaw Olesinski	73 Meadowbreeze Drive Kanata, Ontario K2M 2L9 Canada

do hereby sell, assign and transfer to ALCATEL, 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

### FORWARDING STATE SHARING BETWEEN MULTIPLE TRAFFIC PATHS IN A COMMUNICATION NETWORK

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

- 2 -

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 Lie Qian:

Signature of Lie Qian  
Signed at University of Texas at Dallas, this  
16th day of June, 2005.

  
(Signature of Lie Qian)

Statement of Witness  
I, Yiyen Tang, whose full post office  
(Name of witness)  
address is 2200 W. University Parkway Apt 1937 Richardson, TX 75080  
(Address of witness)

state that I was personally present and did see Lie Qian 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 Yiyen Tang:

Signature of Yiyen Tang  
Signed at University of Texas at Dallas this  
16th day of June, 2005.

  
(Signature of Yiyen Tang)

- 3 -

Statement of Witness

I, Lie Qian, whose full post office  
(Name of Witness)

address is 2702 Waterman Plwy Apt 4523 Richardson, TX 75080 USA  
(Address of Witness)

state that I was personally present and did see Yiyan Tang 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.

Lie Qian  
(Signature of Witness)

Signature and Statement of Witness for Yuke Wang:

Signature of Yuke Wang

Signed at University of Texas at Dallas this  
16th day of June, 2005.

Yuke Wang  
(Signature of Yuke Wang)

Statement of Witness

I, Lie Qian, whose full post office  
(Name of Witness)

address is 2702 Waterman Plwy Apt 4523 Richardson TX 75080 USA  
(Address of Witness)

state that I was personally present and did see Yuke Wang 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.

Lie Qian  
(Signature of Witness)

Signature and Statement of Witness for Bashar Said Bou-Diab:

Signature of Bashar Said Bou-Diab

Signed at \_\_\_\_\_ this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Bashar Said Bou-Diab)

- 4 -

Statement of Witness

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state 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 Wladyslaw Olesinski:

Signature of Wladyslaw Olesinski

Signed at \_\_\_\_\_ this

\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Wladyslaw Olesinski)

Statement of Witness

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Wladyslaw Olesinski 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)

Attorney Ref. 150012-US

**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>
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Bashar Said Bou-Diab	87 Fifth Avenue Ottawa, Ontario K1S 2M3 Canada
Wladyslaw Olesinski	73 Meadowbreeze Drive Kanata, Ontario K2M 2L9 Canada

do hereby sell, assign and transfer to **ALCATEL**, 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

**FORWARDING STATE SHARING BETWEEN MULTIPLE TRAFFIC PATHS IN  
A COMMUNICATION NETWORK**

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

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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 Lie Qian:**

**Signature of Lie Qian**

Signed at \_\_\_\_\_, this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Lie Qian)

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Lie Qian 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 Yiyen Tang:**

**Signature of Yiyen Tang**

Signed at \_\_\_\_\_ this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Yiyen Tang)

- 3 -

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Yiyan Tang 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 Yuke Wang:**

**Signature of Yuke Wang**

Signed at \_\_\_\_\_ this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Yuke Wang)

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Yuke Wang 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 Bashar Said Bou-Diab:**

**Signature of Bashar Said Bou-Diab**

Signed at OTTAWA this  
26 day of MAY, 2005.

\_\_\_\_\_  
(Signature of Bashar Said Bou-Diab)



- 4 -

**Statement of Witness**

I, Jennifer Ardley, whose full post office  
(Name of Witness)

address is 669 Ashwood drive, Ottawa, Ontario, K1C 7L5  
(Address of Witness)

state that I was personally present and did see Bashar Said Dou-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.

J. Ardley  
(Signature of Witness)

**Signature and Statement of Witness for Wladyslaw Olesinski:**

**Signature of Wladyslaw Olesinski**

Signed at \_\_\_\_\_ this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Wladyslaw Olesinski)

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Wladyslaw Olesinski 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)

Attorney Ref. 150012-US

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Yiyan Tang	2200 Waterview Pkwy, Apt. 1937 Richardson, TX 75080 USA
Yuke Wang	1912 Forestdale Drive Richardson, Texas 75081 USA
Bashar Said Bou-Diab	87 Fifth Avenue Ottawa, Ontario K1S 2M3 Canada
Wladyslaw Olesinski	73 Meadowbreeze Drive Kanata, Ontario K2M 2L9 Canada

do hereby sell, assign and transfer to **ALCATEL**, 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

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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

- 2 -

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 Lie Qian:**

Signature of Lie Qian  
Signed at \_\_\_\_\_, this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Lie Qian)

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Lie Qian 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 Yiyan Tang:**

Signature of Yiyan Tang  
Signed at \_\_\_\_\_ this  
\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Yiyan Tang)

- 3 -

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Yiyen Tang 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 Yuke Wang:**

Signature of Yuke Wang \_\_\_\_\_ this  
Signed at \_\_\_\_\_

\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Yuke Wang)

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state that I was personally present and did see Yuke Wang 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 Bashar Said Bou-Diab:**

Signature of Bashar Said Bou-Diab \_\_\_\_\_ this  
Signed at \_\_\_\_\_

\_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
(Signature of Bashar Said Bou-Diab)

- 4 -

**Statement of Witness**

I, \_\_\_\_\_, whose full post office  
(Name of Witness)

address is \_\_\_\_\_  
(Address of Witness)

state 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 Wladyslaw Olesinski:**

**Signature of Wladyslaw Olesinski**

Signed at Ottawa this  
31st day of May, 2005.

Wladyslaw Olesinski  
(Signature of Wladyslaw Olesinski)

**Statement of Witness**

I, MAGDALENA OLESINSKA, whose full post office  
(Name of Witness)

address is 33 MEADOWBREEZE DR, OTTAWA, ON K2M 2L9  
(Address of Witness)

state that I was personally present and did see Wladyslaw Olesinski 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.

M. Olesinska  
(Signature of Witness)