

04-21-2005

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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

102985671

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)/Execution Date(s):

Bo Liu
Frank Jurgen Gilbert Devolder
Paul Marie Pierre Spruyt
Charles Michael Storry
Michael Edward SmeltersExecution Date(s) April 4, 2005 and April 8, 2005Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

2. Name and address of receiving party(ies)

Name: Alcatel

Internal Address: _____

Street Address: 54, rue La BoetieCity: Paris

State: _____

Country: France Zip: 75008Additional 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)

10/770,317

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Arnold B. SilvermanInternal Address: Eckert Seamans Cherin &Mellott, LLCStreet Address: 600 Grant Street, 44th FloorCity: PittsburghState: PA Zip: 15219Phone Number: 412-566-6000Fax Number: 412-566-6099Email Address: ipmail@eckertseamans.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 02-2556Authorized User Name Arnold B. Silverman

9. Signature: _____

Signature

April 8, 2005

Date

Arnold B. Silverman Reg. No. 22,614

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 9Documents 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, V.A. 22313-1450

04/20/2005 DBYRNE 00000290-022556 11102308

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PATENT
REEL: 016466 FRAME: 0543

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>
Bo Liu	46 Kenins Crescent Kanata, Ontario, K2K 3E5 Canada
Frank Jurgen Gilbert Devolder	Schoolstraat 83 B-2820 Bonheiden Belgium
Paul Marie Pierre Spruyt	Prinses Lydialaan 54 B-3001 Heverlee Belgium
Charles Michael Storry	4180 Rideau River Road Kemptville, Ontario, K0G 1J0 Canada
Michael Edward Smelters	348 Pickford Drive Kanata, Ontario, K2L 3S7 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

COMMUNICATION LINK BONDING APPARATUS AND METHODS

including subject matter which is fully set forth and described in our application for Letters Patent of United States filed as United States Patent Application No. 60/651,255 on February 9, 2005, for which a declaration has been signed by each inventor 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 our names on the day and year set forth below.

Signature and Statement of Witness for Bo Liu:

Signature of Bo Liu Ottawa, this
Signed at 4th day of April, 2005.
Bo Liu
(Signature of Bo Liu)

Statement of Witness

I, MAXINE RAYCROFT, whose full post office address is 7 School Drive, Ammanville, Ontario, K7S 3G8, CANADA state that I was personally present and did see Bo Liu 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 Frank Jurgen Gilbert Devolder:

Signature of Frank Jurgen Gilbert Devolder
Signed at _____, this
_____ day of _____, 2005.

(Signature of Frank Jurgen Gilbert Devolder)

Statement of Witness

I, _____, whose full post office address is _____ state that I was personally present and did see Frank Jurgen Gilbert Devolder 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 Paul Marie Pierre Spruyt:

Signature of Paul Marie Pierre Spruyt

Signed at _____, this _____ day of _____, 2005.

(Signature of Paul Marie Pierre Spruyt)

Statement of Witness

I, _____, whose full post office address is _____ state that I was personally present and did see Paul Marie Pierre Spruyt 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 Charles Michael Storry:

Signature of Charles Michael Storry

Signed at Ottawa, this 8th day of April, 2005.

Charles Storry
(Signature of Charles Michael Storry)

Statement of Witness

I, Maxine Raycroft, whose full post office address is 7 SCHER DRIVE, ARNPRIOR, ONTARIO, K7S 3G8 CANADA state that I was personally present and did see Charles Michael Storry 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 Michael Edward Smelters:

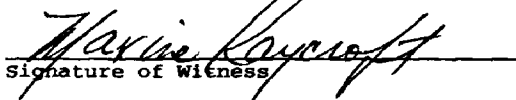
Signature of Michael Edward Smelters

Signed at OTTAWA, this
4 day of APRIL, 2005.


(Signature of Michael Edward Smelters)

Statement of Witness

I, MAXINE RAYCROFT, whose full post office
address is 7 School Dr. ARNPRIOR, ONTARIO, K7S3G8
state that I was personally present and did see Michael Edward Smelters
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

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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Frank Jurgen Gilbert Devolder	Schoolstraat 83 B-2820 Bonheiden Belgium
Paul Marie Pierre Spruyt	Prinses Lydialaan 62 B-3001 Heverlee Belgium
Charles Michael Storry	4180 Rideau River Road Kemptville, Ontario, K0G 1J0 Canada
Michael Edward Smelters	348 Pickford Drive Kanata, Ontario, K2L 3S7 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

COMMUNICATION LINK BONDING APPARATUS AND METHODS

including subject matter which is fully set forth and described in our application for Letters Patent of United States filed as United States Patent Application No. 60/651,255 on February 9, 2005, for which a declaration has been signed by each inventor 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 our names on the day and year set forth below.

Signature and Statement of Witness for Bo Liu:

Signature of Bo Liu

Signed at _____, this
_____ day of _____, 2005.

(Signature of Bo Liu)

Statement of Witness

I, _____, whose full post office address is _____ state that I was personally present and did see Bo Liu 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 Frank Jurgen Gilbert Devolder:

Signature of Frank Jurgen Gilbert Devolder

Signed at Antwerp, Belgium, this
4 day of April, 2005.

Frank Jurgen Gilbert Devolder
(Signature of Frank Jurgen Gilbert Devolder)

Devolder

Statement of Witness

I, Hja Keesraad Boudin Brant, whose full post office address is Wimbrek 70, 8300 Kollb-Hert state that I was personally present and did see Frank Jurgen Gilbert Devolder 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 Paul Marie Pierre Spruyt:

Signature of Paul Marie Pierre Spruyt

Signed at Antwerpen Belgium, this
4 day of April, 2005.


(Signature of Paul Marie Pierre Spruyt)

Statement of Witness

I, Gaue Verduyn, whose full post office address is Leendertweg 38, 1025 AB Amsterdam state that I was personally present and did see Paul Marie Pierre Spruyt 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 Charles Michael Storry:

Signature of Charles Michael Storry

Signed at _____, this
_____ day of _____, 2005.

(Signature of Charles Michael Storry)

Statement of Witness

I, _____, whose full post office address is _____ state that I was personally present and did see Charles Michael Storry 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 Michael Edward Smelters:

Signature of Michael Edward Smelters

Signed at _____, this
_____ day of _____, 2005.

(Signature of Michael Edward Smelters)

Statement of Witness

I, _____, whose full post office
address is _____
state that I was personally present and did see Michael Edward Smelters
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