

04-20-2006

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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):

- (1) Arkin Aydin
(2) Mary Ann Condie
(3) Donald J. Procopio

Execution Date(s) (1) 04/05/2006; (2) 04/05/2006; (3) 04/03/2006

Additional 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):

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: 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. Silverman9. Signature: Arnold B. Silverman

Signature

April 13, 2006

Date

Arnold B. Silverman Reg. No. 22,614

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8Documents 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

04/13/2006 16YKME 00000036 022556 11403022

01 11403022


(40.00 04)

1. Name of Conveying Party(ies)/Execution Date(s):

	<u>Execution Date</u>
Franciscus M. Ploumen	04/11/2006
Andrew Gordon Tomilson	04/05/2006
Charles Michael Storry	04/05/2006
Stephen Haldane Wellington	04/05/2006

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>
Arkin Aydin	218 Viewmount Drive, Apt. 303 Nepean, Ontario, K2E 7X5 Canada
Mary Ann Condie	18 Grengold Way Kanata, Ontario, K2T 1E2 Canada
Donald J. Procopio	716 Valerie Drive Raleigh, North Carolina, 27606-2669 U.S.A.
 Frank M. Ploumen Franciscus	758 McClelland Drive Windsor, California, 95492 U.S.A.
Andrew Gordon Tomilson	10 Sunny Brae Avenue Nepean, Ontario, K2H 8H4 Canada
Charles Michael Storry	4180 Rideau River Road Kemptville, Ontario, K0G 1J0 Canada
Stephen Haldane Wellington	316 Selby Avenue Ottawa, Ontario, K1Z 6R1 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

SUBSCRIBER LINE MAINTENANCE APPARATUS AND METHODS

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;

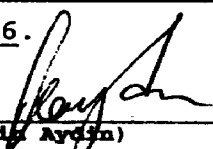
We hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent in Canada, the United States of America and all other countries, for the invention, 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 Arkin Aydin:

Signature of Arkin Aydin

Signed at Ottawa, this
5th day of April, 2006.


(Signature of Arkin Aydin)

Statement of Witness

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

address is 7 SCHER DR, ARNPRIOR, ONTARIO, K7S 3L8, CANADA
(Address of Witness)


state that I was personally present and did see Arkin Aydin 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 Mary Ann Condle:

Signature of Mary Ann Condle

Signed at Ottawa. this
5th day of April, 2006.

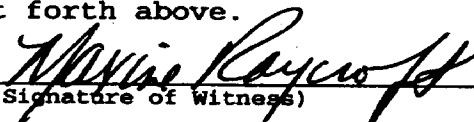

(Signature of Mary Ann Condle)

Statement of Witness

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

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

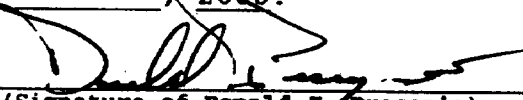
state that I was personally present and did see Mary Ann Condle who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.


(Signature of Witness)

Signature and Statement of Witness for Donald J. Procopio:

Signature of Donald J. Procopio

Signed at 2301 Susan Bush Rd, Raleigh, NC 27612, this
3rd day of April, 2006.

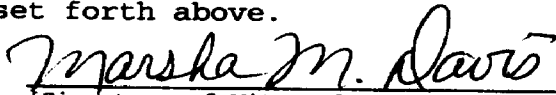

(Signature of Donald J. Procopio)

Statement of Witness

I, Marsha M. Davis, whose full post office
(Name of Witness)

address is 8908 Brookstone Ct, Raleigh, NC 27615
(Address of Witness)

state that I was personally present and did see Donald J. Procopio 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)

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Franciscus

Signature and Statement of Witness for Frank M. Ploumen:

Franciscus
 Signature of Frank M. Ploumen
 Signed at Petaluma, CA, this
11th day of April, 2006.

Franciscus
 (Signature of Frank M. Ploumen)

Statement of Witness

I, PAUL FRANCESCHINI, whose full post office
 (Name of Witness)
 address is 229 HAVERFIELD LANE
 (Address of Witness)

state that I was personally present and did see Frank M. Ploumen 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.

Paul Franceschini
 (Signature of Witness)

Signature and Statement of Witness for Andrew Gordon Tomilson:

Signature of Andrew Gordon Tomilson
 Signed at _____, this
 _____ day of _____, 2006.

 (Signature of Andrew Gordon Tomilson)

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 Andrew Gordon Tomilson
 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 M. Ploumen:

Signature of Frank M. Ploumen

Signed at _____, this
_____ day of _____, 2006.

(Signature of Frank M. Ploumen)

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 **Frank M. Ploumen** 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 Andrew Gordon Tomilson:

Signature of Andrew Gordon Tomilson

Signed at Ottawa, this
5th day of April, 2006.

(Signature of Andrew Gordon Tomilson)

Statement of Witness

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

address is 7 SCHEEL DR, ARNPRIOR, ONTARIO, K7S3L8, CANADA
(Address of Witness)

state that I was personally present and did see **Andrew Gordon Tomilson** 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
5th day of April, 2006.

Charles Storry
(Signature of Charles Michael Storry)

Statement of Witness

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

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 Stephen Haldane Wellington:

Signature of Stephen Haldane Wellington

Signed at OTTAWA, this
5th day of APRIL, 2006.

Stephen Wellington
(Signature of Stephen Haldane Wellington)

Statement of Witness

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

state that I was personally present and did see **Stephen Haldane Wellington**
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)