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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Pascal MAZABRAUD, Abderrahman ALAMI
NOUREDDINE

Additional name(s) of conveying party(ies) attached?
 yes no

MRD 3-17-99

2. Name and address of receiving party(ies)?
ALCATEL
54 Rue La Boétie
75008 PARIS, FRANCE

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Names
 Other

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

Execution Date: February 12, 1999

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/244,625

B. Patent No.(s)

Additional numbers attached? Yes No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
1

7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to Deposit Account

8. Deposit Account No.
19-4880

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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.

David J. Cushing March 17, 1999
David J. Cushing Reg. No. 28,703 Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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Mail documents to be recorded with required cover sheet information to:
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03/22/1999 MMARMDL 00000020 09244625
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ASSIGNMENT

Whereas, I/We MAZABRAUD Pascal and ALAMI NOUREDDINE Abderrahman
of 1 Rue de Savoie - 93330 NEUILLY SUR MARNE, France; and 33 Rue Victor Hugo -
95870 BEZONS, France

hereinafter called assignor(s), have invented certain improvements in

A METHOD OF DRAWING FIBER CONTINUOUSLY FROM PREFORMS FOR MANUFACTURING OPTICAL FIBERS
and executed an application for Letters Patent of the United States of America therefor on

February 12, 19 99; and

Whereas ALCATEL
of 54 Rue La Boétie - 75008 PARIS, FRANCE

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to
any United States patents to be obtained thereof;

Now, therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority under
35 U.S.C. §119, and I/We request the Commissioner of Patents to issue any Letters Patent granted
upon the invention set forth in the application of the assignee, its successors and assigns; and I/We
will execute without further consideration all papers deemed necessary by its assignee in connection
with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses
(Application number 09/244,625, filed February 04, 1999) the filing date and
application number of said application when known.

Date: February 12, 1999 S/ Mazabraud Pascal
MAZABRAUD, Pascal

Date: February 12, 1999 S/ Alami Noureddine Abderrahman
ALAMI NOUREDDINE Abderrahman

Date: S/ _____

Date: S/ _____

Date: S/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)