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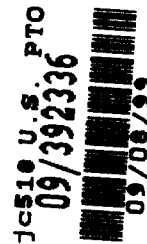
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To the Honorable Commissioner of Patents and Trademarks, attached original documents or copy thereof.

1. Name of conveying party(ies):  
Olivier BONAVENTURE

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

2. Name and address of receiving party(ies)?  
ALCATEL  
54, rue La Boetie  
75008 Paris, France



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

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Execution Date: August 27, 1999

09/392336

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: August 27, 1999

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:  
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  
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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 Reg. No. 28,703 September 8, 1999  
Date

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Commissioner of Patents and Trademarks  
Box Assignments

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# Assignment

Whereas, ~~I/We~~ Olivier BONAVENTURE of Gembloux Belgium of

hereinafter called assignor(s), have invented certain improvements in  
A shaping method, a shaper realizing such a shaping method and a communication network including such a shaper

and executed an application for Letters Patent of the United States of America therefor on  
August 27 19 99 ; and

Whereas,  
ALCATEL, 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 therefor;

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 to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the 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 \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: August 27, 1999 s/ OLIVIER BONAVENTURE  
(Olivier BONAVENTURE)

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

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