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Jan MICHELSENS, Jean TAEYMANS, Phil CRETCH
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ALCATEL
54 rue La Boetie
F-75008 Paris, FRANCE
Additional name(s) & address(es) attached?
 yes no

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Execution Date: August 31, 2001

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)/Confirmation No.(s)
09/939,691 /4452
Additional numbers attached? Yes No

B. Patent No.(s)

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

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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 *David J. Cushing* Reg. No. 28,703 October 3, 2001
Date

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PATENT
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Assignment

Whereas, I/We, (names of inventors and addresses - city and country), respectively, hereinafter called assignor(s), have invented certain improvements in

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and executed an application for Letters Patent of the United States of America therefor on
and

Whereas, ALCATEL, 54 rue La Boétie, F-75008 PARIS FRANCE

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 our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3212 to insert here in parentheses (Application number 09/939,691, filed August 28, 2001) the filing date and application number of said application when known.

Date: August 31, 2001 Jan Michielsens
s/ Jan Michielsens

Date: August 31, 2001 Jean Taeymans
s/ Jean Taeymans

Date: August 31, 2001 P. Cretch
s/ Phil Cretch

Date: _____
s/

Date: _____
s/

Date: _____
s/

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