09-16-1999 O055499 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 101146993 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies)? Wolfgang LAUTENSCHLAGER, Uwe STAHL ALCATEL 54, rue La Boetie 75008 Paris, France Additional name(s) of conveying party(ies) attached? Additional name(s) & address(es) attached? ☐ Security Agreement ☐ Change of Names □ yes 1 no If this document is being filed together with a new application, the execution date of the application is: August 17, 1999 A. Patent Application No.(s) B. Patent No.(s)

> ☑ No 6. Total number of applications and registration involved:

concerning document should be mailed: SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 7. Total Fee (37 CFR 3.41): \$40.00 2100 Pennsylvania Avenue, N.W. ☑ Enclosed. Please charge any underpayment in Suite 800 connection with this Assignment to Deposit Account No. 19-4880. Washington, D.C. 20037-3213 ☐ Authorized to be charged to Deposit Account 8. Deposit Account No. 19-4880 DO NOT WRITE IN THIS SPACE 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. September 7, 1999 David J. Cushing Date TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks 09/16/1999 MTHAI1 00000038 09391621

Box Assignments

Washington, D.C. 20231

☐ Yes

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1. Name of conveying party(ies):

□ yes

3. Nature of Conveyance:

Execution Date: August 17, 1999

4. Application number(s) or patent number(s):

5. Name and address of party to whom correspondence

40.00 OP

☑ Assignment

☐ Other

01 AC:581

🗹 no

☐ Merger

F

Additional numbers attached?

1-31-92

PATENT REEL: 010229 FRAME: 0075

Assignment

Whereas, I/We, Wolfgang LAUTENSCHLAGER and Uwe STAHL, of Weissach-Flacht, Germany, and Leonberg, Germany, respectively, hereinafter called assignors, have invented certain improvements in:

Charge Information Method

and executed an application for Letters Patent of the United States of America therefor on August 17 , 1999; and Whereas, Alcatel 54, rue La Boetie 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, We, the above named assignors, 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 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. We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known. Aug.17, 1999 Uwe STAHL Date: Date: s/ Date: Date: s/

Date:

RECORDED: 09/07/1999

s/

PATENT REEL: 010229 FRAME: 0076