

12-2-04

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Cyril HULLIN
Eric GRAND
Celine HEERDT

2. Name and address of receiving party(ies):

ALCATEL
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75008 Paris, FRANCE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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☐ Security Agreement ☐ Change of Name
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Execution Date: May 10, 2004, May 14, 2004, and May 10, 2004

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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: May 10, 2004, May 14, 2004, and May 10, 2004

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, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

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David J. Cushing

Reg. No. 28,703

December 2, 2004

Date

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PATENT
REEL: 016078 FRAME: 0182

Assignment

Whereas, I/We, Cyril HULLIN, Eric GRAND and Céline HEERDT of Paris, France, Paris, France and Massy, France

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

Transmission system and method for equalization of channels in the system

and executed an application for Letters Patent of the United States of America therefor on May 10, 2004, May 14, 2004; and

Whereas, May 10, 2004 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,

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 Director of the U.S. Patent and Trademark Office 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, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed December 3, 2004) the application number and filing date of said application when known.

Date: 10/05/04 Cyril HULLIN [Signature]
s/
Date: 14/05/04 Eric GRAND [Signature]
s/
Date: Céline HEERDT
s/
Date: _____
s/

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

Assignment

Whereas, I/We, Cyril HULLIN, Eric GRAND and Céline HEERDT of Paris, France, Paris, France and Massy, France

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

Transmission system and method for equalization of channels in the system

and executed an application for Letters Patent of the United States of America therefor on May 10, 2004, May 14, 2004; and

Whereas, May 10, 2004 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,

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 Director of the U.S. Patent and Trademark Office 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, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____, filed December 3, 2004) the application number and filing date of said application when known.

Date: _____ Cyril HULLIN

s/

Date: _____ Eric GRAND

s/

Date: le 10/05/04 Céline HEERDT

Heerd

s/

Date: _____

s/

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