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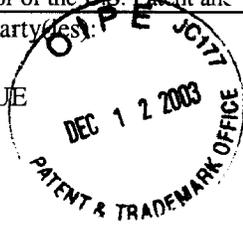
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original documents or copy thereof.

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Abdelkrim BENCHAIIB
Jean-Claude ALACOQUE
Serge POULLAIN
Jean-Luc THOMAS



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

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25, avenue Kleber
75116 Paris - FRANCE

12-12-03

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

3. Nature of conveyance:

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Execution Date: November 10, 2003

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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:

A. Patent Application No.(s)
10/653,250

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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PATENT
REEL: 014793 FRAME: 0549

ASSIGNMENT

Whereas, I/We

Abdelkrim BENCHAIIB
Jean-Claude ALACOQUE
Serge POUILLAIN
Jean-Luc THOMAS

Of

65, bld Vauban - 78180 MONTIGNY LE BRETONNEUX /FR
41, les Chanturières - 69360 COMMUNAY /FR
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15 ter, bld Magenta - 77300 FONTAINEBLEAU /FR

Hereinafter called assignors, have invented certain improvements in **"A METHOD AND A COMPUTER FOR DETERMINING THE STOPPED ANGULAR POSITION OF A ROTOR, A CONTROL UNIT, AND A SYSTEM INCORPORATING THE COMPUTER."** and executed an application for Letters Patent of the United States of America therefor on November 10, 2003 ; and

Whereas,

ALSTOM**25, avenue Kléber - 75116 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 - 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, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number , and Confirmation number _____ , filed, _____ the filing date and application number of said application when known.

U.S. Appln. 10/653,250 filed Sept. 3, 2003; Conf. No. 2781

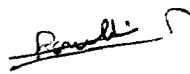
Date : 10/11/03

Abdelkrim BENCHAIIB

Date : 10/11/03

Jean-Claude ALACOQUE

Date : 10/11/03

Serge POUILLAIN

Date : 10/11/03

Jean-Luc THOMAS

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

PATENT**RECORDED: 12/12/2003****REEL: 014793 FRAME: 0550**