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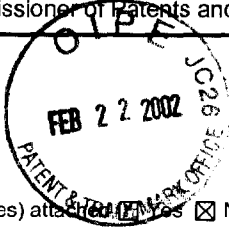
OUR FILE B36-1310; B36-1430;
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
ABB Management AGAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: ALSTOM

Internal Address: _____

Street Address: 25, avenue KleberF-75116 Paris, FRANCE

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: December 17, 2001Additional name(s) and address(es) attached? ☐ Yes ☒ No

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)

B. Patent No.(s)

U.S. Patent No. 5,027,722, issued July 2, 1991;U.S. Patent No. 5,051,190, issued September 24, 1991; andU.S. Patent No. 5,143,304, issued September 1, 1992Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:Name: Thomas L. TarolliInternal Address: Tarolli, Sundheim, Covell,Tummino & Szabo L.L.P.1111 Leader BuildingStreet Address: 526 Superior AvenueCity: Cleveland State: Ohio Zip: 44114-14006. Total number of applications and patents involved: **3**7. Total fee (37 CFR 3.41).....\$120.00☒ Enclosed is a check for the amount indicated above.☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090 (charge for insufficient fees only)

(Attach duplicate copy of this page if paying by deposit account)

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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

Thomas L. Tarolli

Name of Person Signing

Reg. No. 20,177

Thomas Tarolli
SignatureFeb 6, 2002
DateTotal number of pages including cover sheet, attachments, and document: **3**Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

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ASSIGNMENT

WHEREAS, ABB Management AG, having a place of business at Haselstrasse 16, CH-5401, Baden, Switzerland, is the owner by assignment of the entire right, title, and interest in and to the United States patents set forth in Exhibit A attached hereto.

WHEREAS, ALSTOM, having a place of business at 25, avenue Kleber, F-75116 Paris, France, is desirous of acquiring the entire right, title and interest in and to the said patents set forth in Exhibit A attached hereto.

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we, the said ABB Management AG, do hereby assign, sell and set over unto the said ALSTOM its successors or assigns, the entire right, title and interest in and to the said United States patents and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said ALSTOM its successors or assigns in order to fully secure, protect and preserve its rights to the said patents, all without further consideration but at the expense of the said ALSTOM its successors or assigns.

Signed
This 17 day of December, 2001.

ABB Management AG
New: ABB Immobilien AG

By: Walter Gugolz Markus Belser
Type Name:
Title: General Manager

WITNESSED BY:

JOSE L. JUAN
Type Name:

Dated: 23-01-02

EXHIBIT A

U.S. PATENTS

U.S. Patent No. 5,027,722

U.S. Patent No. 5,051,190

U.S. Patent No. 5,143,304

ISSUED

July 2, 1991

September 24, 1991

September 1, 1992