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1. Name of conveying party(ies)/Execution Date:

(1) Michael G. Varner

Execution Date(s):

(1) July 26, 2006

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No2. Name and address of receiving party(ies):Name: ALSTOM Technology Ltd
Brown Boveri Strasse 7
5400 Baden, Switzerland

Additional name(s) and address(es) attached?

☐ Yes ☒ No3. Nature of conveyance:☐ ASSIGNMENT ☐ Security Agreement ☐ Government Interest Assignment ☐ Merger☐ Change of Name ☐ Executive Order 9424, Confirmatory LicenseCorrective assignment previously
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4. Application of Patent Number:☐ This document is being filed together with a new application.A. Patent Application No.(s)

11/494,946

B. Patent No.(s)5. Name and address of party to whom
correspondence concerning document should be
mailed:Name: Elizabeth A. Galletta
Wiggin and Dana LLP
One Century Tower
PO Box 1832
New Haven, CT 06508-1832
Telephone: (203) 498-4343
Facsimile: (203) 782-2889
Email: egalletta@wiggin.com6. Total number of applications and patents involved

1

7. Total fee (37 CFR 1.21(b) & 3.41): \$40.00

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- Authorized to be charged by credit card
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- Authorized to be charged to Deposit Account
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- None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 23-1665
Authorized User Name: Elizabeth A. Galletta9. Signature:Elizabeth A. Galletta
Name of Person Signing
Reg. No. 52,941

Signature

September 8, 2006
Date

Total number of pages comprising Transmittal and Assignment: 4

Documents to be recorded (including cover sheet) should be filed to (703) 306-5995, or mailed to:
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08-03-2006

Docket No. W03/013-0



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Patent and Trademark OfficeRECORDATION FORM COVER SHEET
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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):

Michael G. Varner

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

Name: ALSTOM Technology Ltd.
Brown Boveri Strasse 7
5400 Baden, Switzerland

Additional names and addresses attached?

☐ Yes☒ No

3. Nature of conveyance:

☒ ASSIGNMENT ☐ OtherExecution Date July 28, 2006

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:
July 28, 2006

A. Patent Application No.(s)

Docket No. W03/013-0

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Anthony P. Gangemi
Wiggin and Dana LLP
One Century Tower
New Haven, CT 06508-1832

6. Total number of applications and patents involved

1

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

☐ Enclosed☒ Authorized to be charged to Deposit
Account No. 23-16658. Deposit Account No.: 23-1665(Attach duplicate copy of this page if paying by
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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.

Anthony P. Gangemi
Name of Person Signing

Signature

July 28, 2006
Date

Total number of pages comprising cover sheet 1

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Attorney Docket Number: W03-013-0
Wiggin and Dana Ref. No.: 102749-100

ASSIGNMENT

WHEREAS, I, Michael G. Varner, as a below named inventor, residing at 8813 Laurel Grove Lane, Knoxville, TN 37922, am a sole inventor of certain new and useful improvements in ASH FLUIDIZATION SYSTEM AND METHOD for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, ALSTOM Technology Ltd, a joint stock company of Switzerland, having an office at Brown Boveri Strasse 7, 5400 Baden, Switzerland (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

AND I further agree to execute all necessary or desirable lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

AND I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

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PAGE 006/012

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Attorney Docket Number: W03-013-0
Wiggin and Dana Ref. No.: 102749-100

AND I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

AND I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

R. Harclay
Witness

Thomas S. Haines
Witness

Michael G. Varner
Michael G. Varner
8813 Laurel Grove Lane
Knoxville, TN 37922

7-26-06
Date

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RECORDED: 09/14/2006

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