

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT          |               |                         |                     |                       |                           |            |                         |             |                   |            |
|---|-------------------------|---------------|-------------------------|---------------------|-----------------------|---------------------------|------------|-------------------------|-------------|-------------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT              |               |                         |                     |                       |                           |            |                         |             |                   |            |
| CONVEYING PARTY DATA  |                         |               |                         |                     |                       |                           |            |                         |             |                   |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David Trainer</td> <td>01/29/2012</td> </tr> <tr> <td>Colin Donald Murray Oates</td> <td>01/29/2012</td> </tr> <tr> <td>Colin Charnock Davidson</td> <td>01/29/2012</td> </tr> <tr> <td>Robert Whitehouse</td> <td>01/29/2012</td> </tr> </tbody> </table>  |                         | Name          | Execution Date          | David Trainer       | 01/29/2012            | Colin Donald Murray Oates | 01/29/2012 | Colin Charnock Davidson | 01/29/2012  | Robert Whitehouse | 01/29/2012 |
| Name  | Execution Date          |               |                         |                     |                       |                           |            |                         |             |                   |            |
| David Trainer   | 01/29/2012              |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Colin Donald Murray Oates   | 01/29/2012              |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Colin Charnock Davidson   | 01/29/2012              |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Robert Whitehouse   | 01/29/2012              |               |                         |                     |                       |                           |            |                         |             |                   |            |
| RECEIVING PARTY DATA  |                         |               |                         |                     |                       |                           |            |                         |             |                   |            |
| <table border="1"> <tr> <td>Name:</td> <td>Alstom Technology, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Brown Boveri Strass 7</td> </tr> <tr> <td>City:</td> <td>Baden</td> </tr> <tr> <td>State/Country:</td> <td>SWITZERLAND</td> </tr> <tr> <td>Postal Code:</td> <td>5400</td> </tr> </table>   |                         | Name:         | Alstom Technology, Ltd. | Street Address:     | Brown Boveri Strass 7 | City:                     | Baden      | State/Country:          | SWITZERLAND | Postal Code:      | 5400       |
| Name:   | Alstom Technology, Ltd. |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Street Address:   | Brown Boveri Strass 7   |               |                         |                     |                       |                           |            |                         |             |                   |            |
| City:   | Baden                   |               |                         |                     |                       |                           |            |                         |             |                   |            |
| State/Country:  | SWITZERLAND             |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Postal Code:  | 5400                    |               |                         |                     |                       |                           |            |                         |             |                   |            |
| PROPERTY NUMBERS Total: 1   |                         |               |                         |                     |                       |                           |            |                         |             |                   |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13387698</td> </tr> </tbody> </table>   |                         | Property Type | Number                  | Application Number: | 13387698              |                           |            |                         |             |                   |            |
| Property Type   | Number                  |               |                         |                     |                       |                           |            |                         |             |                   |            |
| Application Number:   | 13387698                |               |                         |                     |                       |                           |            |                         |             |                   |            |
| CORRESPONDENCE DATA   |                         |               |                         |                     |                       |                           |            |                         |             |                   |            |
| <p>Fax Number: (949)760-9502</p> <p>Phone: (949) 760-0404</p> <p>Email: efilng@kmob.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Knobbe Martens Olson &amp; Bear</p> <p>Address Line 1: 2040 Main Street</p> <p>Address Line 2: 14th Floor</p> <p>Address Line 4: Irvine, CALIFORNIA 92614</p> |                         |               |                         |                     |                       |                           |            |                         |             |                   |            |
| ATTORNEY DOCKET NUMBER:   | BREVA15.001APC          |               |                         |                     |                       |                           |            |                         |             |                   |            |
| NAME OF SUBMITTER:  | Tawfik A. Goma          |               |                         |                     |                       |                           |            |                         |             |                   |            |

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Total Attachments: 5

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**PATENT**

**REEL: 027992 FRAME: 0069**

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**ASSIGNMENT**

WHEREAS 1/ **TRAINER David**, an English citizen, residing at 45 Brackens Lane – Alvaston – Derbyshire DE24 0AG - UNITED KINGDOM; 2/ **OATES Colin Donald Murray**, an English citizen, residing at The Old Post Office – Chase Road – BROCTON – Staffordshire ST17 0TL - UNITED KINGDOM, 3/ **DAVIDSON Colin Charnock**, an English citizen, residing at 21 The Crescent – Walton on the Hill – Stafford – Staffordshire ST17 0JZ - UNITED KINGDOM, 4/ **WHITEHOUSE Robert**, an English citizen, residing at 5 Hartsbourne Way – Stafford – Staffordshire ST17 4NR - UNITED KINGDOM hereinafter referred to as Assignor(s), have invented certain new and useful improvements in a

CONVERTER WITH ACTIVE FAULT CURRENT LIMITATION,  
the specification of which:

☒ was filed on January 27, 2012 as application No. 13/387,698

AND WHEREAS, Alstom Technology, Ltd., with its principal place of business at Brown Boveri Strass 7, 5400 Baden, Switzerland (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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AND ASSIGNORS DO HEREBY covenant and agree that ASSIGNORS will communicate to said ASSIGNEES, its successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEES, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

This 29 day of January, 2012

Signature of: TRAINER David

*David Trainer*

Witnessed by:

*[Signature]*

**PATENT**

**REEL: 027992 FRAME: 0071**

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This 29 day of January, 20 12

Signature of: OATES Colin Donald Murray



Witnessed by:



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This 29 day of January, 20 12

\_\_\_\_\_  
Signature of: DAVIDSON Colin Charnock



Witnessed by: \_\_\_\_\_



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This 29 day of January, 20 12

Signature of: WHITEHOUSE Robert



Witnessed by:

