

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALSTOM GRID INC.	02/06/2015
RECEIVING PARTY DATA	
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Postal Code:	5401
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15091552
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SIGNATURE:	/Thomas Watson/
DATE SIGNED:	04/05/2016
Total Attachments: 6	
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ASSIGNMENT OF INVENTION AND PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

ALSTOM Grid Inc., a public company, having an address at 10865 Willows Road NE, Redmond, Washington 98052 ("**Assignor**")

hereby sell(s), assign(s), transfer(s), and convey(s) unto **ALSTOM Technology Ltd.**, a Swiss limited liability company, having its registered offices at Brown Boveri Strasse 7, CH-5401 Baden - Switzerland ("**Assignee**"), all rights, title, and interests that exist today and may exist in the future in and to any and all of the following items (1) through (9) below:

1. all inventions claimed *and/or* described in the Patent(s) or Application(s) (collectively, the "**Inventions**");
2. any U.S., PCT, or foreign patent application(s) prepared and filed based on said inventions;
3. the patent(s) and patent application(s) listed in the table below (the "**Application(s)**");

Patent(s)/Patent Application Nos.	Country	Filing Date	Title
8,112,253	US	June 13, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES REAL TIME SITUATION AWARENESS OF A POTENTIAL ENERGY MANAGEMENT FAILURE
PCT/US08/70526	WO	July 18, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES REAL TIME SITUATION AWARENESS OF A POTENTIAL ENERGY MANAGEMENT FAILURE
08782090.8	EP	July 18, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES REAL TIME SITUATION AWARENESS OF A POTENTIAL ENERGY MANAGEMENT FAILURE
10110166.5	HK	July 18, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES REAL TIME SITUATION AWARENESS OF A POTENTIAL ENERGY MANAGEMENT FAILURE
12/139,159	US	June 13, 2008	METHODS FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A UTILITY COMPANY
14/231,387	US	March 31, 2014	METHODS FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A UTILITY COMPANY
PCT/US08/70537	WO	July 18, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES A REAL TIME ASSESSMENT OF A POTENTIALLY COMPROMISING SITUATION THAT CAN AFFECT A UTILITY COMPANY

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08782095.7	EP	July 18, 2008	ENERGY MANAGEMENT SYSTEM PROVIDING REAL TIME ASSESSMENT OF A POTENTIALLY COMPROMISING SITUATION AFFECTING UTILITY COMPANIES
10109923.1	HK	July 18, 2008	ENERGY MANAGEMENT SYSTEM PROVIDING REAL TIME ASSESSMENT OF A POTENTIALLY COMPROMISING SITUATION AFFECTING UTILITY COMPANIES
8,321,804	US	June 13, 2008	METHODS FOR ASSESSING RELIABILITY OF A UTILITY COMPANY'S POWER SYSTEM
13/590,321	US	August 21, 2012	METHODS FOR ASSESSING RELIABILITY OF A UTILITY COMPANY'S POWER SYSTEM
PCT/US08/70544	WO	July 18, 2008	METHODS FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A UTILITY COMPANY
08796327.8	EP	July 18, 2008	METHODS FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A UTILITY COMPANY
10110165.6	HK	July 18, 2008	METHODS FOR ASSESSING POTENTIALLY COMPROMISING SITUATIONS OF A UTILITY COMPANY
8,321,800	US	June 13, 2008	METHODS FOR CREATING DYNAMIC LISTS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
13/658,489	US	October 23, 2012	METHODS FOR CREATING DYNAMIC LISTS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
PCT/US08/70547	WO	July 18, 2008	METHODS FOR CREATING DYNAMIC LISTS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
08782097.3	EP	July 18, 2008	METHODS FOR CREATING DYNAMIC LISTS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
10109924.0	HK	July 18, 2008	METHODS FOR CREATING DYNAMIC LISTS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
8,078,332	US	June 13, 2008	METHODS FOR MANAGING HIGH OR LOW VOLTAGE CONDITIONS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
PCT/US08/70551	WO	July 18, 2008	METHODS FOR MANAGING HIGH OR LOW VOLTAGE CONDITIONS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
08796333.6	EP	July 18, 2008	METHODS FOR MANAGING HIGH OR LOW VOLTAGE CONDITIONS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY

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10110224.5	HK	July 18, 2008	METHODS FOR MANAGING HIGH OR LOW VOLTAGE CONDITIONS FROM SELECTED AREAS OF A POWER SYSTEM OF A UTILITY COMPANY
12/139,118	US	June 13, 2008	ENERGY MANAGEMENT SYSTEM THAT PROVIDES A REAL TIME ASSESSMENT OF A POTENTIALLY COMPROMISING SITUATION THAT CAN AFFECT A UTILITY COMPANY
PCT/US08/70552	WO	July 18, 2008	METHODS FOR ASSESSING RELIABILITY OF A UTILITY COMPANY'S POWER SYSTEM
08796334.4	EP	July 18, 2008	METHODS FOR ASSESSING RELIABILITY OF A UTILITY COMPANY'S POWER SYSTEM
10109925.9	HK	July 18, 2008	METHODS FOR ASSESSING RELIABILITY OF A UTILITY COMPANY'S POWER SYSTEM
8,538,593	US	July 2, 2010	METHOD FOR INTEGRATING INDIVIDUAL LOAD FORECASTS INTO A COMPOSITE LOAD FORECAST TO PRESENT A COMPREHENSIVE SYNCHRONIZED AND HARMONIZED LOAD FORECAST
14/012,853	US	August 28, 2013	METHOD FOR INTEGRATING INDIVIDUAL LOAD FORECASTS INTO A COMPOSITE LOAD FORECAST TO PRESENT A COMPREHENSIVE, SYNCHRONIZED AND HARMONIZED LOAD FORECAST
12/830,038	US	July 2, 2010	SYSTEM TOOLS FOR INTEGRATING INDIVIDUAL LOAD FORECASTS INTO A COMPOSITE LOAD FORECAST TO PRESENT A COMPREHENSIVE SYNCHRONIZED AND HARMONIZED LOAD FORECAST
12/830,004	US	July 2, 2010	METHOD FOR EVALUATING OPERATIONAL AND FINANCIAL PERFORMANCE FOR DISPATCHERS USING AFTER THE FACT ANALYSIS
12/830,011	US	July 2, 2010	SYSTEM TOOLS FOR EVALUATING OPERATIONAL AND FINANCIAL PERFORMANCE FROM DISPATCHERS USING AFTER THE FACT ANALYSIS
12/830,019	US	July 2, 2010	MULTI-INTERVAL DISPATCH METHOD FOR ENABLING DISPATCHERS IN POWER GRID CONTROL CENTERS TO MANAGE CHANGES
12/830,023	US	July 2, 2010	MULTI-INTERVAL DISPATCH SYSTEM TOOLS FOR ENABLING DISPATCHERS IN POWER GRID CONTROL CENTERS TO MANAGE CHANGES
14/601,838	US	January 21, 2015	MULTI-INTERVAL DISPATCH SYSTEM TOOLS FOR ENABLING DISPATCHERS IN POWER GRID CONTROL CENTERS TO MANAGE CHANGES

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12/830,042	US	July 2, 2010	METHODS THAT PROVIDE DISPATCHERS IN POWER GRID CONTROL CENTERS WITH A CAPABILITY TO MANAGE CHANGES
12/830,049	US	July 2, 2010	SYSTEM TOOLS THAT PROVIDES DISPATCHERS IN POWER GRID CONTROL CENTERS WITH A CAPABILITY TO MAKE CHANGES
61/954,563	US	March 17, 2014	EBOSS- ETERRA BUSINESS OPERATION AND SUPERVISION SUITE
61/954,565	US	March 17, 2014	EBOSS- ETERRA OUTAGE AND SWITCH MANAGEMENT MODULE
61/333,838	US	May 12, 2010	GENERALIZED GRID SECURITY FRAMEWORK
61/606,071	US	March 2, 2012	DISPATCHING VEHICLE-TO-GRID ANCILLARY SERVICES WITH DISCRETE SWITCHING
61/764,463	US	February 13, 2013	A SYNCHROPHASOR BASED FAULT LOCATION METHOD FOR DISTRIBUTION SYSTEMS

4. all rights with respect to the Invention, including all United States patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, non-provisionals or other patent applications claiming priority rights from the Application(s) ("**Potential Patents**");
5. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
6. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application(s), and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("**Foreign Rights**"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
7. all rights to claim priority rights deriving from the Application(s);
8. all causes of action and remedies related to any or all of the Application(s), the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
9. any and all other rights and interests arising out of, in connection with, or in relation to the Application(s), the Invention, Potential Patents, and the Foreign Rights.

Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect

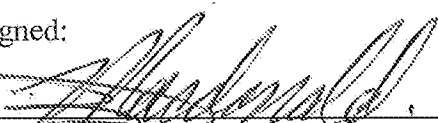
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enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes, requests and grants power to Assignee and Assignee's authorized representative to insert on this Assignment the filing date(s) and Patent Application Numbers in the table above when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

Signed:



Doug Macdonald, Unit Managing Director
on behalf of ALSTOM Grid Inc.

Date:

