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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3345111

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ABB AB | 03/30/2015 |
| RECEIVING PARTY DATA | |
| Name: | ABB TECHNOLOGY LTD |
| Street Address: | AFFOLTERNSTRASSE 44 |
| City: | ZURICH |
| State/Country: | SWITZERLAND |
| Postal Code: | CH-8050 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 8188392 |
| CORRESPONDENCE DATA | |
| Fax Number: | (631)501-3526 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 6315015700 |
| Email: | docket@cdfslaw.com, dglaser@cdfslaw.com |
| Correspondent Name: | CARTER, DELUCA, FARRELL & SCHMIDT, LLP |
| Address Line 1: | 445 BROAD HOLLOW ROAD |
| Address Line 2: | SUITE 420 |
| Address Line 4: | MELVILLE, NEW YORK 11747 |
| ATTORNEY DOCKET NUMBER: | 1321-15 |
| NAME OF SUBMITTER: | JASON B. SCHER |
| SIGNATURE: | /Jason B. Scher/ |
| DATE SIGNED: | 05/08/2015 |
| Total Attachments: 3 | |
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| source=00731444#page3.tif | |

ABB Case No. 9992US

DEED OF ASSIGNMENT

We,

ABB AB
with registered office:
SE-721 83 Västerås
Sweden
with company No. 556029-7029

hereby declare that, on 30 March 2015,
we have assigned all our right in and to the following:

US Patent No. 8188392


To:
ABB Technology Ltd
with registered office:
Affolternstrasse 44
CH-8050 Zürich
Switzerland
with company No. CH-020.3.004.411-1

Västerås, Sweden, March 30, 2015

ABB AB



Assignor
Stefan Bäckström
General Counsel



Assignor
Johan Söderström
Chief Executive Office

ABB Technology Ltd



Assignee
Håkan Korske
By Power of Attorney



Assignee
Xiaohong Jin
By Power of Attorney

To Intellectual Property Authorities, pertinent Courts and Law Firms handling Intellectual Property Matters of and for the undersigned

POWER of ATTORNEY

The undersigned

ABB Technology Ltd
Affolternstrasse 44
CH-8050, Zürich, Switzerland

hereby makes, constitutes and appoints

Ms. Xiaohong Jin, ABB AB
Intellectual Property
Ing. Bååths Gata 11
SE- 721 83 Västerås, Sweden

as its attorney-in-fact to file and prosecute applications for patents, utility models, trademarks, design patents, copyrights and topographies and otherwise obtain protection for the undersigned's intellectual property, and to maintain, and defend such intellectual property rights as well as to proceed against intellectual property rights of third parties. The above person shall be empowered to undertake all necessary acts for effectuating the foregoing.

The above person is empowered to take back and to assign – for corrective purposes, or pursuant to instructions from the undersigned and/or an agreement executed by the undersigned – filed applications as well as granted intellectual property rights among companies belonging to the ABB Group.

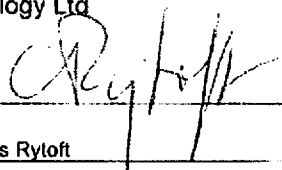
The above person is empowered to act as attorney-in-fact for the undersigned before intellectual property authorities, such as Patent- and Trademark Offices, as well as before pertinent courts in all matters of intellectual property, including acquiring, defending, maintaining and asserting intellectual property rights of the undersigned and proceeding against intellectual property rights of third parties.

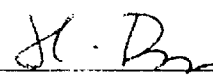
The above person is further empowered to grant substitute powers on behalf of the undersigned for representing the undersigned before intellectual property authorities, such as Patent- and Trademark Offices, as well as before pertinent courts for acquiring, defending, maintaining and asserting intellectual property rights of the undersigned and proceeding against intellectual property rights of third parties for a scope no greater than that granted within this power of attorney. The above person shall provide the undersigned with copies of any such substitute powers granted unless such substitute powers are explicitly limited to individual intellectual property rights.

This power of attorney replaces all former powers of attorney relating to intellectual property of the undersigned that were issued to the above person by the undersigned.

This power of attorney and/or any substitute powers can be revoked at any time by the undersigned upon written notice. This power of attorney automatically expires without notice when the above person leaves the employment of ABB AB.

ABB Technology Ltd


Name: Claes Ryloft


Name: Hansjörg Berger

Date: 2014-09-08

Date: 2014-09-08

To Intellectual Property Authorities, pertinent Courts and Law Firms handling Intellectual Property Matters of and for the undersigned

POWER of ATTORNEY

The undersigned

ABB Technology Ltd
Affolternstrasse 44
CH-8050, Zürich, Switzerland

hereby makes, constitutes and appoints

Dr. Håkan Korske, ABB AB
Intellectual Property
Ing. Bååths Gata 11
SE- 721 83 Västerås, Sweden

as its attorney-in-fact to file and prosecute applications for patents, utility models, trademarks, design patents, copyrights and topographies and otherwise obtain protection for the undersigned's intellectual property, and to maintain, and defend such intellectual property rights as well as to proceed against intellectual property rights of third parties. The above person shall be empowered to undertake all necessary acts for effectuating the foregoing.

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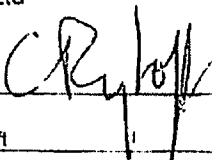
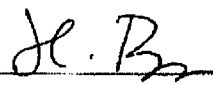
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ABB Technology Ltd

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|  |  |
| Name: <u>Claes Ryloft</u> | Name: <u>Hansjörg Berger</u> |
| Date: <u>2014-09-08</u> | Date: <u>2014-09-08</u> |