

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MIRRASOUL J. MOUSAVI	06/08/2015
JAMES STOUPIS	06/09/2015
SHAKEEL M. MAHATE	06/09/2015
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<b>Street Address:</b>	AFFOLTERNSTRASSE 44
<b>City:</b>	ZURICH
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-8050
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14740936
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	65040-233808
<b>NAME OF SUBMITTER:</b>	GLEN M. KELLETT
<b>SIGNATURE:</b>	/GLEN M. KELLETT/
<b>DATE SIGNED:</b>	07/16/2015
<b>Total Attachments: 4</b>	
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source=US-15033-OAD Patent Assignment#page2.tif	
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source=US-15033-OAD Patent Assignment#page4.tif	

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 65040-233808  
Client Reference No.: US-15033-OAD

PATENT ASSIGNMENT

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

Name(s) of Inventor(s) Mirrasoul J. Mousavi;  
James Stoupis; and  
Shakeel M. Mahate

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

Title of Application TECHNOLOGIES FOR OPTIMALLY INDIVIDUALIZED BUILDING AUTOMATION

Serial No./Filing Date: \_\_\_\_\_

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee ABB Technology Ltd.

Address of principal place of business Affolternstrasse 44  
Zurich, Switzerland CH-8050

Insert State of Incorporation (if applicable) or "Not Applicable" a corporation of Not Applicable

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at Raleigh, NC  
(city and state or country if outside USA)  
this 8<sup>th</sup> day of June, 2015.

Outside the USA: \_\_\_\_\_  
Witnesses are required when acknowledgment before a Notary Public is not feasible. \_\_\_\_\_  
Witness

MRS J. Mousavi  
Inventor (Signature)  
Mirrasoul J. Mousavi  
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF NC }  
COUNTY OF Wake } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 8<sup>th</sup> day of June, 2015.



Sandra P. Ward  
Notary Public  
Sandra P. Ward  
Printed Name

My Commission Expires: Aug 22, 2015

Resident of Lee County

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 65040-233808  
Client Reference No.: US-15033-OAD

IN WITNESS WHEREOF, I have executed this assignment at Raleigh, NC  
this 9<sup>th</sup> day of June, 2015.  
(City and state or country if outside USA)

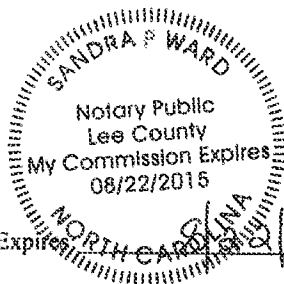
Outside the USA: \_\_\_\_\_  
Witnesses are required when acknowledgment before a Notary Public is not feasible.  
Witness \_\_\_\_\_  
Witness \_\_\_\_\_

[Signature]  
Inventor (Signature)  
James Stoupis  
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 9<sup>th</sup> day of June, 2015.



My Commission Expires 8/22/2015

Sandra P. Ward  
Notary Public  
Sandra P. Ward  
Printed Name

Resident of Lee County

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 65040-233808  
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IN WITNESS WHEREOF, I have executed this assignment at Raleigh NC  
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this 9th day of June, 2015

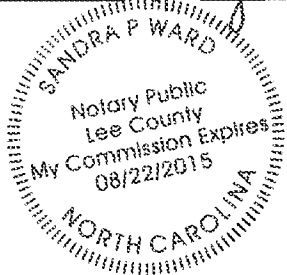
Outside the USA: \_\_\_\_\_  
Witnesses are required when acknowledgment before a Notary Public is not feasible.  
Witness \_\_\_\_\_  
Witness \_\_\_\_\_

Shakeel M. Mahate  
Inventor (Signature)  
Shakeel M. Mahate  
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 9th day of June, 2015



Sandra P. Ward  
Notary Public  
Sandra P. Ward  
Printed Name

My Commission Expires: August 22, 2015  
Resident of Lee County

INDS02 1376945v1