

## PATENT ASSIGNMENT

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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>Erich Kuhn</td> <td>06/06/2012</td> </tr> <tr> <td>Frank Gruenig</td> <td>06/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Erich Kuhn	06/06/2012	Frank Gruenig	06/06/2012
Name	Execution Date						
Erich Kuhn	06/06/2012						
Frank Gruenig	06/06/2012						
RECEIVING PARTY DATA							
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City:	Zurich						
State/Country:	SWITZERLAND						
Postal Code:	8050						
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>29424725</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	29424725		
Property Type	Number						
Application Number:	29424725						
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NAME OF SUBMITTER:	Melaina D. Jobs						
Total Attachments: 3 source=40610Dassign001#page1.tif source=40610Dassign001#page2.tif source=40610Dassign001#page3.tif							

OP \$40.00 29424725

## ASSIGNMENT

Serial No: 29/424,725  
Filed: June 14, 2012  
Title: Converter Housing

For \$1.00 (One Dollar) and other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign(s) to ABB Technology AG, Affolternstrasse 44, 8050 Zurich, Switzerland, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on, June 6, 2012 and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize(s) and request(s) the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant(s) themselves (himself/herself) to be the owners (owner) of the interest herein assigned and to have the right to make this assignment and further warrant(s) that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree(s), upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree(s) upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the

full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this \_\_\_\_\_ day of 06, Juni 2012, 2012 at \_\_\_\_\_  
[place]

E. Kuhn  
Erich Kuhn

Witness #1:

[Signature]  
(signature)  
Print Name: Wail Pastorello

Witness #2:

[Signature]  
(signature)  
Print Name: Véronique Zollmann

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2012 at \_\_\_\_\_  
[place]

Frank Gruenig

Witness #1:

\_\_\_\_\_  
(signature)  
Print Name: \_\_\_\_\_

Witness #2:

\_\_\_\_\_  
(signature)  
Print Name: \_\_\_\_\_

full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2012 at \_\_\_\_\_  
[place]

\_\_\_\_\_  
Erich Kuhn

Witness #1:

\_\_\_\_\_  
(signature)  
Print Name: \_\_\_\_\_

Witness #2:

\_\_\_\_\_  
(signature)  
Print Name: \_\_\_\_\_

06, Juni 2012

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2012 at \_\_\_\_\_  
*Rathdowney, Co. Louth, Rep. of Ireland*  
[place]

*[Signature]*  
\_\_\_\_\_  
Frank Gruenig

Witness #1:

*John W. S. Conley*  
\_\_\_\_\_  
(signature)  
Print Name: *JOHN W. S. CONLEY*

Witness #2:

*Graham Robinson*  
\_\_\_\_\_  
(signature)  
Print Name: *GRAHAM ROBINSON*