

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>Hein Neupartl</td> <td>06/11/2012</td> </tr> <tr> <td>Gerd Glockner</td> <td>06/06/2012</td> </tr> <tr> <td>Robert Bohn</td> <td>07/02/2012</td> </tr> <tr> <td>Peter Erler</td> <td>06/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hein Neupartl	06/11/2012	Gerd Glockner	06/06/2012	Robert Bohn	07/02/2012	Peter Erler	06/11/2012
Name	Execution Date										
Hein Neupartl	06/11/2012										
Gerd Glockner	06/06/2012										
Robert Bohn	07/02/2012										
Peter Erler	06/11/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>ABB AG</td> </tr> <tr> <td>Street Address:</td> <td>Kallstadter Str. 1</td> </tr> <tr> <td>City:</td> <td>Mannheim</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>68309</td> </tr> </table>		Name:	ABB AG	Street Address:	Kallstadter Str. 1	City:	Mannheim	State/Country:	GERMANY	Postal Code:	68309
Name:	ABB AG										
Street Address:	Kallstadter Str. 1										
City:	Mannheim										
State/Country:	GERMANY										
Postal Code:	68309										
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>13478754</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13478754						
Property Type	Number										
Application Number:	13478754										
CORRESPONDENCE DATA											
Fax Number:	7038367419										
Phone:	703-836-6620										
Email:	robin.patterson@bipc.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	BUCHANAN, INGERSOLL & ROONEY PC										
Address Line 1:	POST OFFICE BOX 1404										
Address Line 4:	ALEXANDRIA, VIRGINIA 22313-1404										
ATTORNEY DOCKET NUMBER:	1034193-000306										
NAME OF SUBMITTER:	Patrick C. Keane										
Total Attachments: 6											

OP \$40.00 13478754

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Heinrich NEUPÄRTL, (2) Gerd GLÖCKNER, (3) Robert BOHN, (4) Peter ERLER, and (5) Michael GÖLZ, residing at (1) Lampertheim, Germany; (2) Heidelberg, Germany; (3) Wilhelmsfeld, Germany; (4) Bad Schönborn, Germany; and (5) Mannheim, Germany (hereinafter referred to as "the Assignors"), respectively, witnesseth:

Karlsruhe 11.06.12 M.G.Z.

WHEREAS, the Assignors have invented certain new and useful improvements in SAFETY MODULE FOR AN AUTOMATION DEVICE set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
- (a) bearing Application No. _____, and filed on _____;
- (b) to be filed herewith; or
- (2) non-provisional application
- (a) bearing Application No. 13/478,754 and filed on May 23, 2012;
- (b) having an oath or declaration executed on even date herewith prior to filing of application;
- (c) having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, ABB AG, a corporation duly organized under and pursuant to the laws of Germany and having a principal place of business at Kallstadter Str. 1, 68309 Mannheim, Germany (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE 11.06.2012


HEINRICH NEUPÄRTL

DATE _____

GERD GLÖCKNER

DATE _____

ROBERT BOHN

DATE 11.06.2012


PETER ERLER

DATE 11.06.2012


MICHAEL GÖLZ

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Heinrich NEUPÄRTL, (2) Gerd GLÖCKNER, (3) Robert BOHN, (4) Peter ERLER, and (5) Michael GÖLZ, residing at (1) Lampertheim, Germany; (2) Heidelberg, Germany; (3) Wilhelmsfeld, Germany; (4) Bad Schönborn, Germany; and (5) Mannheim, Germany (hereinafter referred to as "the Assignors"), respectively, witnesseth:

Karlsruhe 11.06.12 M.G.Z.

WHEREAS, the Assignors have invented certain new and useful improvements in SAFETY MODULE FOR AN AUTOMATION DEVICE set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
- (a) bearing Application No. _____, and filed on _____;
- (b) to be filed herewith; or
- (2) non-provisional application
- (a) bearing Application No. 13/478,754 and filed on May 23, 2012;
- (b) having an oath or declaration executed on even date herewith prior to filing of application;
- (c) having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, ABB AG, a corporation duly organized under and pursuant to the laws of Germany and having a principal place of business at Kallstadter Str. 1, 68309 Mannheim, Germany (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns

DATE _____

HEINRICH NEUPARTL

DATE 2012-06-06


GERD GLÖCKNER

DATE _____

ROBERT BOHN

DATE _____

PETER ERLER

DATE _____

MICHAEL GOLZ

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Heinrich NEUPÄRTL, (2) Gerd GLÖCKNER, (3) Robert BOHN, (4) Peter ERLER, and (5) Michael GÖLZ, residing at (1) Lampertheim, Germany; (2) Heidelberg, Germany; (3) Wilhelmsfeld, Germany; (4) Bad Schönborn, Germany; and (5) Mannheim, Germany (hereinafter referred to as "the Assignors"), respectively, witnesseth:

Karlsruhe 11.06.12 M.GZ

WHEREAS, the Assignors have invented certain new and useful improvements in SAFETY MODULE FOR AN AUTOMATION DEVICE set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
- (a) bearing Application No. _____, and filed on _____;
- (b) to be filed herewith; or
- (2) non-provisional application
- (a) bearing Application No. 13/478,754 and filed on May 23, 2012;
- (b) having an oath or declaration executed on even date herewith prior to filing of application;
- (c) having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, ABB AG, a corporation duly organized under and pursuant to the laws of Germany and having a principal place of business at Kallstadter Str. 1, 68309 Mannheim, Germany (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE _____

HEINRICH NEUPÄRTL

DATE _____

GERD GLÖCKNER

DATE 02.07.2012



ROBERT BOHN

DATE _____

PETER ERLER

DATE _____

MICHAEL GOLZ