

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Babak PARKHIDEH	03/26/2012
RECEIVING PARTY DATA	
Name:	NORTH CAROLINA STATE UNIVERSITY
Street Address:	Campus Box 8210
City:	Raleigh
State/Country:	NORTH CAROLINA
Postal Code:	27695-8210
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13433357
CORRESPONDENCE DATA	
Fax Number:	(330)376-9646
Phone:	330-376-1242
Email:	morton@rennerkenner.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:	Andrew B. Morton
Address Line 1:	Renner Kenner Greive Bobak Taylor & Webe
Address Line 2:	106 S. Main Street, Suite 400
Address Line 4:	Akron, OHIO 44308-1412
ATTORNEY DOCKET NUMBER:	ABB.P0009
NAME OF SUBMITTER:	Andrew B. Morton
Total Attachments: 3 source=ABBP0009ASSIGNMENT-NCSU#page1.tif source=ABBP0009ASSIGNMENT-NCSU#page2.tif source=ABBP0009ASSIGNMENT-NCSU#page3.tif	

OP \$40.00 13433357

PATENT

US Application No.:
Attorney Docket No.: ABB.P0009 (US-11034-SWH-US DMLD/4120)

ASSIGNMENT

This ASSIGNMENT, by

Babak PARKHIDEH, residing at 800 Golden Horseshoe Circle, Apt. D, Morrisville, North Carolina 27560 (hereinafter referred to as "the Assignor"), has invented certain new and useful improvements in the application for Letters Patent of the United States entitled:

RECONFIGURABLE POWER SYSTEMS AND CONVERTERS

which application is:

- (1) ☐ a provisional application
- (a) ☐ having Serial No. _____, filed on _____;
- (b) ☐ to be filed with this Assignment; or
- (2) ☒ a non-provisional application
- (a) ☐ having Serial No. _____, filed on _____;
- (b) ☒ having an oath or declaration executed on the same date as the execution date of this

Assignment which is prior to the filing of the U.S. patent application for this invention.

For good and sufficient consideration, the receipt of which is hereby acknowledged, each Assignor agrees to assign, and hereby does assign, transfer and set over to North Carolina State University, an educational institute of North Carolina duly organized under the laws of the State of North Carolina, and having a business address at Campus Box 8210, Raleigh, North Carolina 27695-8210, (hereinafter referred to as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the "Application") in the United States, its territories, dependencies and possessions, and for all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the Application for patent identified herein, including any utility application and/or design application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, and any foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

US Application No.:

Attorney Docket No.: ABB.P0009 (US-11034-SWH-US DMLD/4120)

Each Assignor agrees 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.

Each Assignor agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States Patent to the Assignee.

Each Assignor agrees 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.

Each Assignor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from the Application or any divisions or continuing applications thereof to the Assignee of the entire interest in the inventions and hereby covenant that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each Assignor hereby authorizes and request the attorneys of Renner Kenner Greive Bobak Taylor & Weber located in Akron, OH and/or ABB Inc. Intellectual Property Law Department located in Wickliffe, OH or Raleigh NC to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

*****Signature of Each Assignor Appears On The Following Page(s)*****

US Application No.:

Attorney Docket No.: ABB.P0009 (US-11034-SWH-US DMLD/4120)

Date: 3/26/12
Month Day, Year

Signature of Assignor: 
Babak PARKHIDEH