

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4150619

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BONG KOO KANG	10/17/2016
SANG WON LEE	10/17/2016
KYUNG MIN LEE	10/17/2016
YOON GEOL CHOI	10/17/2016
RECEIVING PARTY DATA	
Name:	POSTECH ACADEMY-INDUSTRY FOUNDATION
Street Address:	77 CHEONGAM-RO, NAM-GU
City:	POHANG-SI, GYEONGSANGBUK-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	790-784
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15338227
CORRESPONDENCE DATA	
Fax Number:	(949)851-9348
<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:	949.851.0633
Email:	ltillman@mwe.com, mweipdocket@mwe.com
Correspondent Name:	SOYEON PAK (KAREN) LAUB
Address Line 1:	MCDERMOTT WILL & EMERY LLP
Address Line 2:	4 PARK PLAZA, SUITE 1700
Address Line 4:	IRVINE, CALIFORNIA 92614-2559
ATTORNEY DOCKET NUMBER:	101579-0011
NAME OF SUBMITTER:	SOYEON PAK (KAREN) LAUB, REG. #39,266
SIGNATURE:	/Soyeon Pak (Karen) Laub/
DATE SIGNED:	11/17/2016
Total Attachments: 2	
source=101579-0011_Assignment#page1.tif	
source=101579-0011_Assignment#page2.tif	

Docket No.: 101579-0011

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Bong Koo KANG</u>	(4) <u>Yoon Geol CHOI</u>
(2) <u>Sang Won LEE</u>	(5) _____
(3) <u>Kyung Min LEE</u>	(6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

POSTECH ACADEMY-INDUSTRY FOUNDATION

77 Cheongam-ro, Nam-gu,

Pohang-si, Gyeongsangbuk-do 790-784

Republic of Korea

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in and to the invention entitled

BIDIRECTIONAL DC-DC CONVERTER

for which an application for United States Letters Patent was filed on October 28, 2016, and identified by United States Application No. 15/338,227;

and the undersigned hereby authorize and request the registered practitioners of McDermott Will & Emery LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent and certificates which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, re-examinations, inter partes reviews, post grant reviews and covered business methods thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, re-examined, inter partes review, post grant review and covered business method Letters Patent and certificates of the United States, upon request of said ASSIGNEE and without further remuneration, in

and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said ASSIGNEE, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside the signature(s):

INVENTORS	DATE SIGNED
1) <u>Bongkoo Kang</u> Name: Bong Koo KANG	<u>Oct. 17, 2016</u>
2) <u>[Signature]</u> Name: Sang Won LEE	<u>Oct. 17, 2016</u>
3) <u>이경민</u> Name: Kyung Min LEE	<u>Oct. 17, 2016</u>
4) <u>[Signature]</u> Name: Yoon Geol CHOI	<u>Oct. 17, 2016</u>
5) _____ Name: _____	_____
6) _____ Name: _____	_____