

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>Jeong Mo YANG</td> <td>02/13/2013</td> </tr> <tr> <td>Hwan CHO</td> <td>02/13/2013</td> </tr> <tr> <td>Yong Seong ROH</td> <td>02/13/2013</td> </tr> <tr> <td>Young Jin MOON</td> <td>02/13/2013</td> </tr> <tr> <td>Jeong Pyo PARK</td> <td>02/13/2013</td> </tr> <tr> <td>Chang Sik YOO</td> <td>02/13/2013</td> </tr> <tr> <td>Yu Jin JANG</td> <td>02/13/2013</td> </tr> <tr> <td>Joong Ho CHOI</td> <td>02/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jeong Mo YANG	02/13/2013	Hwan CHO	02/13/2013	Yong Seong ROH	02/13/2013	Young Jin MOON	02/13/2013	Jeong Pyo PARK	02/13/2013	Chang Sik YOO	02/13/2013	Yu Jin JANG	02/13/2013	Joong Ho CHOI	02/13/2013
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRO-MECHANICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>314 Maetan 3-dong, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.	Street Address:	314 Maetan 3-dong, Yeongtong-gu	City:	Suwon, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF										
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PROPERTY NUMBERS Total: 1																			
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CORRESPONDENCE DATA																			
Fax Number:	2027568087																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
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CH \$40.00 13861295

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NAME OF SUBMITTER:	Stephen A. Becker
Signature:	/Stephen A. Becker/
Date:	04/11/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=090104_0712_CombinedDeclarationANDAssignment#page1.tif source=090104_0712_CombinedDeclarationANDAssignment#page2.tif source=090104_0712_CombinedDeclarationANDAssignment#page3.tif source=090104_0712_CombinedDeclarationANDAssignment#page4.tif	

Attorney Docket No. _____

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

PHASE SHIFT CIRCUIT AND POWER FACTOR CORRECTION CIRCUIT INCLUDING THE SAME,

which application is:

☒ attached, or

☐ United States application number or PCT international application
number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of **McDermott Will & Emery LLP**, associated with the Customer Number 20277, to insert above the filing date and/or application number of the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

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

SAMSUNG ELECTRO-MECHANICS CO., LTD.

having an address at 314 Maetan 3-dong, Yeongtong-gu, Suwon, Gyunggi-do, Republic of Korea

and

University of Seoul Industry Cooperation Foundation

having an address at 90 Jeonnong-dong, Dongdaemun-gu, Seoul, Republic of Korea


(hereinafter designated as the Assignees), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.


I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

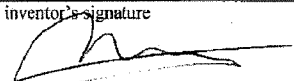
I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

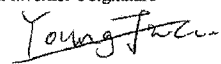
Attorney Docket No. _____

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

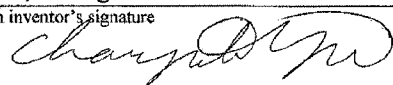
Legal name of first inventor YANG, Jeong Mo	
First inventor's signature 	Date Feb. 13. 2013


Legal name of second inventor CHO, Hwan	
Second inventor's signature 	Date Feb. 13. 2013

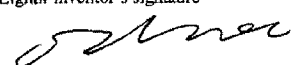
Legal name of third inventor ROH, Yong Seong	
Third inventor's signature 	Date Feb. 13. 2013

Legal name of fourth inventor MOON, Young Jin	
Fourth inventor's signature 	Date Feb. 13. 2013

Legal name of fifth inventor PARK, Jeong Pyo	
Fifth inventor's signature 	Date Feb. 13. 2013

Legal name of sixth inventor YOO, Chang Sik	
Sixth inventor's signature 	Date Feb. 13. 2013

Legal name of seventh inventor JANG, Yu Jin	
Seventh inventor's signature 	Date Feb. 13. 2013

Legal name of eighth inventor CHOI, Joong Ho	
Eighth inventor's signature 	Date Feb. 13. 2013