

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANGCHEOL MOON	07/31/2017
JINTAE KIM	07/31/2017
HANGSEOK CHOI	08/03/2017
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15668974
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NAME OF SUBMITTER:	SHARRON CASTILLO
SIGNATURE:	/Sharron Castillo/
DATE SIGNED:	08/04/2017
Total Attachments: 3	
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ASSIGNMENT & AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we,

Name	of (City and State OR Country)
SANGCHEOL MOON	BUCHEON KOREA, REPUBLIC OF
JINTAE KIM	SUNGNAM-SI KOREA, REPUBLIC OF
HANGSEOK CHOI	SUWON KOREA, REPUBLIC OF

agree to sell, assign, and transfer, and do hereby sell, assign, and transfer to Fairchild Korea Semiconductor Ltd., a limited liability company of the Republic of Korea, having its principal office in Bucheon, Republic of Korea, and its successors, assigns, and legal representatives ("FKS"), the entire right, title, and interest in and to the inventions and discoveries as described, illustrated, and/or claimed in

Title: NON ZERO-VOLTAGE SWITCHING (ZVS) DETECTION IN RESONANT CONVERTERS

Attorney Docket No.: FSC75487US

Serial No.: 15/668974

Filing Date: August 4, 2017

together with the entire right, title, and interest in and to the above listed application(s), and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, international, foreign, and any and all other applications related thereto, and also including any and all grants, issuances, letters patent, reissues, reexaminations, renewals, priority rights, and priority claims related to any of the foregoing, and any and all rights to collect past damages for infringement of any of the foregoing (the "Patent Rights").

We further authorize FKS to apply for and hold and maintain the Patent Rights throughout the world directly in its own name or any other name which FKS deems appropriate in its sole discretion, and to claim the priority of the filing date of the above listed application(s).

We agree that, when requested, we will, without charge to FKS, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing, maintaining, and enforcing the Patent Rights in any and all countries and for vesting title thereto in FKS or its nominees.

We represent and warrant that we have full right to convey the entire right, title and interest herein sold, assigned, and transferred, and that the Patent Rights hereby conveyed are free from all prior assignment, grant, mortgage, license, or other encumbrance to anyone other than FKS. We covenant and further warrant that we will not convey hereafter any part of the Patent Rights to anyone other than FKS or do any act whatsoever conflicting with this ASSIGNMENT & AGREEMENT.

We hereby authorize FKS or anyone it may properly designate to insert in this ASSIGNMENT & AGREEMENT the filing date and serial number of the above listed application(s) when ascertained. More than one counterpart of this ASSIGNMENT & AGREEMENT may be executed, each of which will be deemed an original.

By (Inventor signature): Sangcheol Moon
Sangcheol Moon

Witnessed by (Witness signature): Heesuk Park

Printed name of Witness: HEESUK PARK

Signed and Witnessed on (date): 7/31/2017

By (Inventor signature): Jintae Kim
Jintae Kim

Witnessed by (Witness signature): Heesuk Park

Printed name of Witness: HEESUK PARK

Signed and Witnessed on (date): 7/31/2017

By (Inventor signature): _____
Hangseok Choi

Witnessed by (Witness signature): _____

Printed name of Witness: _____

Signed and Witnessed on (date): _____

By (Inventor signature): _____
Sangcheol Moon

Witnessed by (Witness signature): _____

Printed name of Witness: _____

Signed and Witnessed on (date): _____

By (Inventor signature): _____
Jintae Kim

Witnessed by (Witness signature): _____

Printed name of Witness: _____

Signed and Witnessed on (date): _____

By (Inventor signature): _____
Hangseok Choi

Witnessed by (Witness signature): _____
Heesuk Park

Printed name of Witness: _____
HEESUK PARK

Signed and Witnessed on (date): _____
8/31 2017