

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6021754

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GWANBON KOO	03/18/2020
YOUNGBAE PARK	03/18/2020
TAESUNG KIM	03/18/2020
BONGGEUN CHUNG	03/18/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
<b>Street Address:</b>	5005 E. MCDOWELL ROAD
<b>Internal Address:</b>	MAILDROP A700
<b>City:</b>	PHOENIX
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85008
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16823505
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(602)244-3169
<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>	
<b>Phone:</b>	6022443574
<b>Email:</b>	patents@onsemi.com
<b>Correspondent Name:</b>	SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
<b>Address Line 1:</b>	5005 E. MCDOWELL ROAD
<b>Address Line 2:</b>	MAILDROP A700
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85008
<b>ATTORNEY DOCKET NUMBER:</b>	ONS02778P01US
<b>NAME OF SUBMITTER:</b>	SHARRON CASTILLO
<b>SIGNATURE:</b>	/Sharron Castillo/
<b>DATE SIGNED:</b>	03/19/2020
<b>Total Attachments: 5</b>	

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

Name \_\_\_\_\_ of (City and State OR Country) \_\_\_\_\_

<b>GWANBON KOO</b>	<b>FREMONT, CALIFORNIA US</b>
<b>YOUNGBAE PARK</b>	<b>TAIPEI ZHONGSAN TAIWAN</b>
<b>TAESUNG KIM</b>	<b>SEOUL KOREA, REPUBLIC OF (KR)</b>
<b>BONGGEUN CHUNG</b>	<b>SIHEUNG-SI KOREA, REPUBLIC OF (KR)</b>

agree to sell, assign, and transfer, and do hereby sell, assign, and transfer to Semiconductor Components Industries, LLC, a limited liability company of the State of Delaware, having its principal office in Phoenix, State of Arizona, United States of America, and its successors, assigns, and legal representatives ("SCI"), the entire right, title, and interest in and to the inventions and discoveries as described, illustrated, and/or claimed in

**Title: REDUCED VOLTAGE SWITCHING OF A MAIN SWITCH IN FLYBACK POWER CONVERTERS**

**Attorney Docket No.: ONS02778P01US**

**Serial No.:** 16/823505

**Filing Date:** March 19, 2020

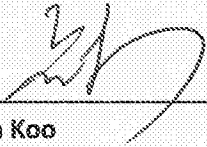
together with the entire right, title, and interest in and to the above listed application(s), and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, international, foreign, and any and all other applications related thereto, and also including any and 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 SCI to apply for and hold and maintain the Patent Rights throughout the world directly in its own name or any other name which SCI 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 SCI, 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 SCI 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 SCI. We covenant and further warrant that we will not convey hereafter any part of the Patent Rights to anyone other than SCI or do any act whatsoever conflicting with this ASSIGNMENT & AGREEMENT.

We hereby authorize SCI 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.



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Gwanbon Koo

# ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Alameda

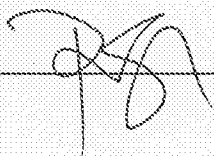
On March 18, 2020 before me, Perry Vongsena, Notary Public  
(insert name and title of the officer)

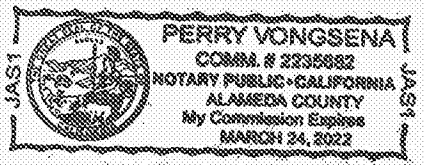
personally appeared Gwanbon Koo

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within the instrument and acknowledge to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



By (Inventor signature): Youngbae Park  
Youngbae Park

Witnessed by (Witness signature): \_\_\_\_\_

Printed name of Witness: \_\_\_\_\_

Signed and Witnessed on this \_\_\_\_\_ day of \_\_\_\_\_, 2020  
day month year

By (Inventor signature): \_\_\_\_\_  
Taesung Kim

Witnessed by (Witness signature): \_\_\_\_\_

Printed name of Witness: \_\_\_\_\_

Signed and Witnessed on this \_\_\_\_\_ day of \_\_\_\_\_, 2020  
day month year

By (Inventor signature): \_\_\_\_\_  
BongGeun Chung

Witnessed by (Witness signature): \_\_\_\_\_

Printed name of Witness: \_\_\_\_\_

Signed and Witnessed on this \_\_\_\_\_ day of \_\_\_\_\_, 2020  
day month year

By (Inventor signature): \_\_\_\_\_  
Youngbae Park

Witnessed by (Witness signature): \_\_\_\_\_

Printed name of Witness: \_\_\_\_\_

Signed and Witnessed on this \_\_\_\_\_ day of \_\_\_\_\_, 2020  
day month year

By (Inventor signature): Taesung Kim  
Taesung Kim

Witnessed by (Witness signature): [Signature]

Printed name of Witness: Sangho Jang

Signed and Witnessed on this 18 day of 3, 2020  
day month year

By (Inventor signature): Bong Geun Chung  
BongGeun Chung

Witnessed by (Witness signature): [Signature]

Printed name of Witness: Jong Seong Ju

Signed and Witnessed on this 18 day of 3, 2020  
day month year