

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYUNCHUL EUM	11/09/2015
YOUNGJONG KIM	11/09/2015
KUO-HSIEN HUANG	11/09/2015
CHIH-CHUN CHUANG	11/09/2015
YOUNG MO YANG	11/09/2015
YOUNG JE LEE	11/09/2015
MOON HO CHOI	11/09/2015
MOON SIK SONG	11/09/2015
RECEIVING PARTY DATA	
Name:	FAIRCHILD KOREA SEMICONDUCTOR LTD.
Street Address:	55, PYEONGCHEON-RO 850BEON-GIL, WONMI-GU, GYEONGGI-DO
City:	BUCHEON-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	420-803
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15835119
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	6022443574
Email:	patents@onsemi.com
Correspondent Name:	SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
Address Line 1:	5005 E. MCDOWELL ROAD
Address Line 2:	MAILDROP A700
Address Line 4:	PHOENIX, ARIZONA 85008
ATTORNEY DOCKET NUMBER:	FSC75326D01US
NAME OF SUBMITTER:	SHARRON CASTILLO
SIGNATURE:	/Sharron Castillo/

PATENT

DATE SIGNED:	12/07/2017
Total Attachments: 12 source=FSC75326D01US_20171207_Assignment_10037-702510#page1.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page2.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page3.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page4.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page5.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page6.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page7.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page8.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page9.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page10.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page11.tif source=FSC75326D01US_20171207_Assignment_10037-702510#page12.tif	

ASSIGNMENT OF THE UNITED STATES PATENT APPLICATION

WHEREAS, I/WE, Hyunchul EUM, Youngjong KIM, Kuo-Hsien Huang; Chih-Chun Chuang; Young Mo Yang; Young Je Lee; Moon Ho Choi; Moon Sik Song made certain new and useful inventions and improvements for which I/We filed, or will be filing, an application for Letters Patent of the United States, identified as U.S. patent application serial number 14/937,179 filed on November 10, 2015, which application is entitled:

CONTROL SYSTEM FOR PHASE-CUT DIMMING

AND, WHEREAS, I/We hereby authorize and request an attorney associated with Customer Number 32047 to insert on the designated lines above, the filing date and application number of said application when known;

AND, WHEREAS, Fairchild Korea Semiconductor LTD., a corporation organized and existing under and by virtue of the laws of the Republic of Korea, and having an office and place of business at 55, Pyeongcheon-ro 850beon-gil, Wonmi-gu, Bucheon-si, Gyeonggi-do, 420-803 Republic of Korea (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I/We have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed under the Patent Cooperation Treaty, in any regional patent offices and in any foreign countries for Letters Patent on the said

inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/We do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letter Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/We do hereby agree that I/We and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

AND, furthermore, I/We covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me/us.

AND, as a named inventor, I hereby declare that:

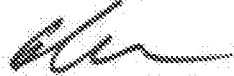
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims, and I am aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby acknowledge that any wilful 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.



Hyunchul EUM

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.



Youngjong KIM

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Kuo-Hsien Huang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Chih-Chun Chung

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Young Mo Yang

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Young Je Lee

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Moon Ho Choi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Moon Sik Song

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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I/We have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed under the Patent Cooperation

Treaty, in any regional patent offices and in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I/We do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letter Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/We do hereby agree that I/We and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

AND, furthermore, I/We covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me/us.

AND, as a named inventor, I hereby declare that:

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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Hyunchul EUM

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Youngjong KIM

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of 11, 2015.

Kuo-Hsien Huang
Kuo-Hsien Huang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Chih-Chun Chuang

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Young Mo Yang

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Young Je Lee

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Moon Ho Choi

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Moon Sik Song

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Hyeonchal EUM

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Youngjong KIM

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2015.

Kuo-Hsien Huang

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.

Chih Chun Chuang
Chih-Chun Chuang

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.

양영호

Young Mo Yang

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.

이성지

Young Je Lee

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.

최호민

Moon Ho Choi

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of November, 2015.

송

Moon Sik Song