

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jun-sik Min</td> <td>11/27/2012</td> </tr> <tr> <td>Tae-kyoung Kang</td> <td>11/27/2012</td> </tr> <tr> <td>Beom-seon Ryu</td> <td>11/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jun-sik Min	11/27/2012	Tae-kyoung Kang	11/27/2012	Beom-seon Ryu	11/27/2012
Name	Execution Date								
Jun-sik Min	11/27/2012								
Tae-kyoung Kang	11/27/2012								
Beom-seon Ryu	11/27/2012								
RECEIVING PARTY DATA									
Name:	Magnachip Semiconductor, Ltd.								
Street Address:	1, Hyangjeong-dong, Hungduk-gu, Cheongju-si, Chungbuk								
City:	Cheongju-si								
State/Country:	KOREA, REPUBLIC OF								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13693516</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13693516				
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Application Number:	13693516								
CORRESPONDENCE DATA									
Fax Number:	2023153758								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	202-429-0020								
Email:	info@nsiplaw.com								
Correspondent Name:	NSIP LAW								
Address Line 1:	P.O. Box 34688								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20043								
ATTORNEY DOCKET NUMBER:	023054.0070								
NAME OF SUBMITTER:	Alicia M. Choi								
Total Attachments: 2 source=NewApp_0230540070_AssignmentExecuted#page1.tif source=NewApp_0230540070_AssignmentExecuted#page2.tif									

OP \$40.00 13693516

ASSIGNMENT

For valuable consideration, we,

Jun-sik MIN 1, Hyangjeong-dong, Hungduk-gu, Cheongju-si, Chungbuk,
Republic of Korea

Tae-kyoung KANG 1, Hyangjeong-dong, Hungduk-gu, Cheongju-si, Chungbuk,
Republic of Korea

Beom-seon RYU 1, Hyangjeong-dong, Hungduk-gu, Cheongju-si, Chungbuk,
Republic of Korea

hereby assign to:

MAGNACHIP SEMICONDUCTOR, LTD., a Korean corporation having principal executive office at **1, Hyangjeong-dong, Hungduk-gu, Cheongju-si, Chungbuk, Republic of Korea**; and


its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 13/693,516 filed December 4, 2012 at the U.S. Patent & Trademark Office signed by us, entitled:

**DETECTING CIRCUIT FOR OPEN OF LED ARRAY AND LED DRIVER
APPARATUS USING THE SAME.**

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This 27 day of Nov, 2012



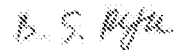
Jan-sik MIN

This 27 day of Nov, 2012



Tae-kyoung KANG

This 27 day of Nov, 2012



Beom-seon RYU