

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ORIOI, Inc.	08/03/2005
RECEIVING PARTY DATA	
Name:	LG Electronics, Inc.
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13951344
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	10401.00005.US27
NAME OF SUBMITTER:	Randall C. Pyles
Signature:	/Randall C. Pyles Reg#66523/
Date:	07/25/2013
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**ASSIGNMENT OF PATENTS**

WHEREAS, Carol W. Wu, Trustee in Bankruptcy of the estate of Oriol, Inc. ("Oriol"), Chapter 7 Case No. 03-56308 ASW, filed in the United States Bankruptcy Court for the Northern District of California ("Bankruptcy Court"), San Jose Division (hereinafter "Trustee"), and LG Electronics Inc. a corporation organized under the laws of the Republic of Korea ("Assignee") are parties to that certain Patent Assignment Agreement, effective upon execution by the parties (the "Agreement"), pursuant to which Trustee sold, conveyed, transferred, assigned and delivered to Assignee all of Oriol's right, title and interest in and to certain patents, patent applications and inventions.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Trustee hereby transfers, conveys and assigns to Assignee all right, title and interest whatsoever, throughout the world, in and under the patents and/or applications listed on Exhibit A hereto, as well as any inventions disclosed or claimed therein (collectively, the "Patents"), to have and to hold the same, unto Assignee, its successors and assigns, for the full duration of all such rights, and any renewals and extensions thereof, including, without limitation:

- (A) all rights to bring any proceedings and obtain any remedy in respect of any infringement of the Patents which has occurred prior to the date of this deed;
- (B) all rights to claim priority from the Patents and file patent applications in respect of the inventions disclosed by the Patents;
- (C) all rights to any continuations, continuations in part, divisions, extensions, amendments, conversions, reissues, re-examinations, renewals or restorations of the Patents to hold the same to the Assignee, its successors and assigns absolutely.

This Assignment is made pursuant to and is subject to all the terms of the Agreement.

IN WITNESS WHEREOF, Trustee has signed this instrument to be effective immediately upon its signing.

DATED: August 3, 2005

CAROL W. WU, Trustee in Bankruptcy of the Estate of Oriol, Inc., Chapter 7 Case No. 03-56308 ASW, filed in the United States Bankruptcy Court for the Northern District of California, San Jose Division

By: *Carol W. Wu*  
CAROL W. WU

CERTIFICATION

State of CALIFORNIA )  
County of CONTRA COSTA )ss.

On this 3 day of AUGUST, 2005, before me the undersigned, a Notary Public in and for the County and State aforesaid, personally appeared CAROL W. WU, who is personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to within the foregoing Assignment of Patents and acknowledged to me that she executed the same in her authorized capacity and that by her signature on such Assignment of Patents the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS, my hand and official seal.



*Kenneth F. Zib*  
Signature

My Commission expires: 5 FEB 2009

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CERTIFICATION

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Exhibit A

Oriol, Inc. Patents - Issued Patents and Pending Applications

Country	Title	Inventor	USPTO / Int'l Application No. / Filing Date	Patent No. / Issue Date	Status Remarks
United States	Thin Film LED	Jeon, Hyeong Tag Seoul, (KR)	10/316,004 11-Dec-2002	6,744,196 01-Jun-2004	Granted/Issued 01-Jun-2004 4 <sup>th</sup> Year Maintenance fee window opens 01-Jun-2007 to 01-Jun-2008
United States	Method of Etching Substrates	Yeom, Geun-young Yoo, Myung Cheol Urbanek, Wolfram Sung, Youn-joon Jeong, Chang-hyun Kim, Kyong-nam Kim, Dong-woo	10/118,318 09-Apr-02 European Application No. 03723844.1 09-Nov-2004 Japanese Application No. 2003-585154 12-Oct-2004 Korean Application No. 2004-7016176 09-Oct-2004 10/928,202 30-Aug-2004 PCT/US03/95503 31-March-2003	6,818,532 16-Nov-2004	Granted/Issued: 16-Nov-2004 4 <sup>th</sup> Year Maintenance fee window opens: 16 Nov-2007 to: 16-Nov-2008 European, Japanese, and Korean applications are pending Pending Office Action issued 22-March-2005

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Orion, Inc. Patents - Pending Applications

Country	Title	Inventor	USPTO / Int'l Application No. / Filing Date	Patent No. / Issue Date	Status Remarks
United States	Method of Fabricating Vertical Structure LEDs	Lee, Jong-Lann	10/118,316 09-Apr-2002		Published 09-Oct-2003 Notice of Allowance Issued 07-Oct-2004
		Jeong, In-Kwon	European Application No. 03731009.1 09-Nov-2004		European, Japanese, and Korean applications are pending
United States	Method of Fabricating Vertical Devices Using a Metal Support Film	Yoo, Myung Cheol	Japanese Application No. 2003-585153 12-Oct-2004		
			Korean Application No. 2004-7016177 09-Oct-2004		
			11/002,413 03-Dec-2004		Pending
United States	Method of Fabricating Vertical Devices Using a Metal Support Film	Yoo, Myung Cheol	11/030,323 07-Jan-2005		Pending Notice To File Missing Parts sent 06-Apr-2005
			PCT/US03/09501 31-Mar-2003		
United States	Method of Fabricating Vertical Devices Using a Metal Support Film	Yoo, Myung Cheol	10/118,317 09-Apr-2002		Published 09-Oct-2003 Petition to Revoke Application Granted 05-May-2004
			PCT/US03/9504 31-Mar-2003		European, Japanese, and Korean applications are pending

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United States	Diode Having Vertical Structure and Method of Manufacturing the Same	Yoo, Myung Cheol	<p>European Application No. 03728297.7 09-Nov-2004</p> <p>Japanese Application No. 2003-585155 12-Oct-2004</p> <p>Korean Application No. 2004-7016180 09-Oct-2004</p>		<p>Published 01-May-2003 Final Rejection Issued 29-Nov-2004</p> <p>European, Japanese, and Korean applications are pending</p>
United States	Method of Making Diode Having Reflective Layer	Yoo, Myung Cheol	<p>09/983,994 26-Oct-2001</p> <p>PCT/US02/33358 21-Oct-2002</p> <p>European Application No. 02789218.1 24-May-2004</p> <p>Japanese Application No. 2003-541032 26-Apr-2004</p> <p>Korean Application No. 2004-7006203 26-Apr-2004</p>		<p>Published 24-Apr-2003 Request for Continued Examination (RCE) 29-Nov-2004</p>
United States			<p>09/982,980 22-Oct-2001</p> <p>PCT/US02/33357</p>		

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United States	Diode Having High Brightness and Method Thereof	Yoo, Myung Cheol	09/905,969 17-Jul-2001 PCT/US02/22655 17-Jul-2002	21-Oct-2002 European Application No. 02793800.0 24-May-2004 Japanese Application No. 2003-539082 22-Apr-2004 Korean Application No. 2004-7005880 21-Apr-2004	European, Japanese, and Korean applications are pending	Published 23-Jan-2003 Final Rejection Issued 06-Dec-2004
United States	Method of Fabricating Ohmic Contact on N-Type Gallium Nitride (Gan) of Room Temperature by Plasma Surface Treatment	Lee, Jong Lam Jang, Ho Won Kim, Jong Kyu Jeon, Changmin	10/103,523 22-Mar-2002 PCT/US02/08662 22-Mar-2002		Published 24-Oct-2002 Notice of Rescinded Abandonment 25-May-2004 Petition to Revive Application - Granted 19-May-2004	
United States	Thin Film LED	Jeon, Hyeon Tag	10/795,287 09-Mar-2004		Awaiting Examination Docketed New Case - Ready for Examination 19-Jun-2004	
United States	Thin Film Light Emitting Diode	Yoo, Myung Cheol	10/179,010 26-Jun-2002 10/975,095 28-Oct-2004		Published 02-Sep-2004 Issue Notification Mailed 23-Dec-2004 Pending	

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