

Client Code: SDISHN.121AUS

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>Tae-yong Kim Zin Park Seung-il Kim</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Samsung SDI Co., Ltd. 575 Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Korea</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>November 20, 2007 November 20, 2007 November 20, 2007</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/017,290 Filing Date: January 21, 2008</p> <p>Additional numbers attached?</p> <p>( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995</p> <p><b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> SDISHN.121AUS</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>Pui Tong Ho</u> Name of Person Signing</p> <p><u>44,155</u> Registration No.</p> <p><u>[Signature]</u> Signature</p> <p><u>Jan. 22, 2008</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 2</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services**  
Director, U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Facsimile Number: (571) 273-0140

4786583  
012208

700357677

**PATENT**  
**REEL: 020399 FRAME: 0160**

CH \$40.00 111410 12017290

Application No.: 12/017,290  
Filing Date: Jan. 21, 2008

PATENT  
Client Code: SDISHN. 12/1AUS  
Page 1

## ASSIGNMENT

WHEREAS, I, the undersigned, have invented certain new and useful improvements in a  
**SERIAL INTERFACE BETWEEN UNIT CELLS**  
the specification of which was executed on even date herewith,

AND WHEREAS, Samsung SDI Co., Ltd., (hereinafter "ASSIGNEE"), with its principal place of business at 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, in light of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Date: November 20, 2007

Signature: KIM Tae Yong

Name: KIM, Tae-yong  
Address: 575 Shin-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea

Date: November 20, 2007

Signature: Park

Name: PARK, Zin  
Address: 575 Shin-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea

Date: November 20, 2007

Signature: Seung-il Kim

Name: KIM, Seung-il  
Address: 575 Shin-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea

PATENT

RECORDED: 01/22/2008

REEL: 020399 FRAME: 0161