

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hyeong-Won SEO	03/01/2008
Ki-Nam KIM	03/17/2008
Woun-Suck YANG	03/01/2008
Du-Heon SONG	03/06/2008
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong, Yeongtong-gu, Suwon-si
City:	Gyeonggi-do
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11077835
CORRESPONDENCE DATA	
Fax Number:	(503)274-4622
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	docketing@techlaw.com
Correspondent Name:	Scott A. Schaffer
Address Line 1:	210 SW Morrison St., Suite 400
Address Line 4:	Portland, OREGON 97204
ATTORNEY DOCKET NUMBER:	8750-109
NAME OF SUBMITTER:	Scott A. Schaffer
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

OP \$40.00 11077835

**500529054**

**PATENT**  
**REEL: 020888 FRAME: 0708**

PATENT APPLICATION  
Docket No. 8750-109  
Client Ref. No. SPX200402-0011US

**ASSIGNMENT**

U.S.A. Patent Application  
Sole or Joint  
For Inventions Made Outside U.S.A.  
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) Hyeoung-Won SEO
- (2) Ki-Nam KIM
- (3) Woun-Suck YANG
- (4) Du-Heon SONG

☐ X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

**SAMSUNG ELECTRONICS CO., LTD.**  
416 MAETAN-DONG, YEONGTONG-GU  
SUWON-SI, GYEONGGI-DO  
REPUBLIC OF KOREA

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

**TRANSISTOR OF A SEMICONDUCTOR DEVICE HAVING A PUNCHTHROUGH  
PROTECTION LAYER AND METHODS OF FORMING THE SAME**

for which an application for Letters Patent of the United States of America was filed on March 10, 2005 as Application No. 11/077,835, has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

서형원 97160231125418782 20080305080515



Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Hyoungh-Won Seo</u> Hyoungh-Won SEO	<u>3/1, 2008</u>	_____
(2) <u>Ki-Nam Kim</u> KI-Nam KIM	<u>3/17, 2008</u>	_____
(3) <u>Woon-Suck Yang</u> Woon-Suck YANG	<u>3/1, 2008</u>	_____
(4) <u>Du-Hoon Song</u> Du-Hoon SONG	<u>3/6, 2008</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

Alan T. McCollom  
Marger Johnson & McCollom  
1030 S.W. Morrison Street  
Portland, OR 97205