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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jae-Seung SON	01/25/2008
Jong-Hoon ANN	01/25/2008
Eun-Tae WON	01/25/2008

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.	
Street Address:	416, Maetan-dong, Yeongtong-gu,	
City:	Suwon-si, Gyeonggi-do	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	443-742	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12022443

CORRESPONDENCE DATA

Fax Number: (202)403-3587

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: usdocketing@jeffersonip.com

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Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	0201-0105
NAME OF SUBMITTER:	Maeng-Ho Shin

Total Attachments: 3

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PATENT REEL: 020438 FRAME: 0243

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PATENT REEL: 020438 FRAME: 0244 Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008) U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

- CMB 140: 0001-0021 (0xp: 0/30/2000)	Officed States Faterit and Trademark Office			
RECORDATION FORM COVER SHEET PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
1) Jae-Seung SON, 2) Jong-Hoon ANN, and 3) Eun-Tae WON	Name: Samsung Electronics Co., Ltd.			
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes ✓ No 3. Nature of conveyance/Execution Date(s):	4			
Execution Date(s): Simple conveyance/Execution Date(s):	Street Address: 416, Maetan-dong, Yeongtong-gu			
✓ Assignment Merger				
Security Agreement Change of Name	City: Suwon-city			
Joint Research Agreement	State: Our-rai de			
Government Interest Assignment	State: Gyeonggi-do			
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip:			
Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No			
	document is being filed together with a new application.			
A. Patent Application No.(s)	B. Patent No.(s)			
12/022,443	, '			
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Additional numbers of	🗔 .			
Additional numbers att	houses			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One			
Name:Jefferson IP Law, LLP				
Internal Address: Maeng-Ho Shin	7. Total fee (37 CFR 1.21(h) & 3.41) \$			
Internal Address. Maeny-no shin	Authorized to be charged by credit card			
	Authorized to be charged to deposit account			
Street Address: 1730 M Street, NW, Suite 807	Enclosed None required (government interest not affecting title)			
City: Washington	8. Payment Information			
State: District of Columbia Zip:20036	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: 202-293-0804				
Fax Number: <u>202-403-3587</u>	b. Deposit Account Number			
Email Address: usdocketing@jeffersonip.com	Authorized User Name			
9. Signature: /Moong Ho SHIN/ Box #52				
/Maeng-Ho SHIN/ Reg. #53 Signature	3,859 <u>January 30, 2008</u> Date			
Maeng-Ho Shin	Total number of pages including cover 3			
Name of Person Signing	sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

<u>Assignment</u>

WHEREAS, the following inventors, namely 1) Jac-Seung SON, 2) Jong-Hoon A.4N, 3) Eun-Tae WON all citizens of the Republic of Korea and residing respectfully at 1) #201, 10 Block 4Lot, Gokbanjeong-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 2) #936-1502, Beokjeokgol 9-danji Samsung Taeyoung APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 3), 904, Samsung Chereville 2-cha APT., Sinjeong 6-dong, Yangcheon-gu, Seoul Republic of Korea (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

APPARATUS AND METHOD FOR TRANSFERRING AN OPTICAL SIGNAL IN A WIRELESS VISIBLE LIGHT COMMUNICATION SYSTEM

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on 1/20/2000, and assigned Serial No. 12/022,443 and.

WHEREAS. Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu. Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter called "Assignee") are desirous of acquiring the entire right, title and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignee the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent. United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof, and the right to file any foreign application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignee's expense:

- a. to execute:
 - all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignee may deem
 - ii. all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient:
- b. to cooperate with the Assignee in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof:
- c. to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;

Attorney Docket No.: Client Docket No.:

d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or to professional thereof whenever requested; and

e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignee, its legal representatives, successors and assigns.

Assignors each hereby represent, covenant and warrant that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon each Assignor's heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of JEFFERSON IP Law, LLP of Washington, DC and its attorneys and agents as associated with Customer No. 68103 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

	at	
Signature of First Inventor:		January 25, 2008
	Jae-Seung SON	Date
Signature of Second Inventor:	ang	January 25,2008
	Jong-Hoon ANN	Date
Signature of Third Inventor:		January 25, 2008
	Eun-Tae WON	Date