PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yong Gook PARK	10/19/2009
Hyun Jin KIM	10/19/2009
Min Kyu PARK	10/19/2009

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12604962

CORRESPONDENCE DATA

Fax Number: (703)288-5139

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

Phone: 703-288-5105
Email: patent@park-law.com

Correspondent Name: H.C. Park & Associates, PLC
Address Line 1: 8500 Leesburg Pike, Suite 7500

Address Line 4: Vienna, VIRGINIA 22182

ATTORNEY DOCKET NUMBER: P3131US00

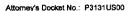
NAME OF SUBMITTER: Hae-Chan Park

Total Attachments: 2

source=P3131US00_Assignment#page1.tif source=P3131US00_Assignment#page2.tif

OP \$40.00 126

PATENT REEL: 023801 FRAME: 0044





ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

Samsung Electronics Co., Ltd. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

Page 1 of 2



IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

First Inventor's Name:	Yong Gook PARK
Address:	No. 906-2502, Gangnam Maeul Halla Vivaldi Apt., Sangha-dong, Giheung-gu, Yongin-si Gyeonggi-do Republic of Korea
First Inventor's Signature:	96ti OCT, 19, 2009
Second Inventor's Name Address:	Hyun Jin KIM No. 102-101, Ilsin Apt. Ssangchon-dong, Seo-gu Gwangju Metropolitan City Republic of Korea
Second Inventor's Signature: Date:	OCT. 19. 2009
Third Inventor's Name: Address:	Min Kyu PARK No. 1005-1404, Mujigaemaeul Samsung Apt., Gumi-dong, Bundang-gu, Seongnam-si Gyeonggi-do Republic of Korea
Third Inventors' Signature: Date:	OCT. 19.2009

Page 2 of 2

RECORDED: 01/18/2010