

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Samsung Electronics Co., Ltd.	01/18/2010

**RECEIVING PARTY DATA**

Name:	Samsung Techwin Co Ltd
Street Address:	28 Sungju-dong, Kyongsangnam-do
City:	Changwon-city
State/Country:	REPUBLIC OF KOREA

**PROPERTY NUMBERS Total: 48**

Property Type	Number
Patent Number:	5377050
Patent Number:	5646906
Patent Number:	6707491
Patent Number:	5671009
Application Number:	09912575
Patent Number:	6956477
Patent Number:	5832037
Patent Number:	5963254
Patent Number:	6608962
Patent Number:	7505782
Application Number:	10847329
Patent Number:	7359529
Patent Number:	7633529
Patent Number:	7158323
Application Number:	11346238
Patent Number:	7600929

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Patent Number:	7435019
Application Number:	11367408
Application Number:	11582490
Application Number:	11806751
Patent Number:	6993158
Patent Number:	7280596
Patent Number:	7519272
Application Number:	10983724
Patent Number:	7466360
Application Number:	10981476
Application Number:	11685974
Application Number:	11690964
Application Number:	11849650
Application Number:	11841119
Application Number:	12022479
Application Number:	12122915
Application Number:	12052128
Application Number:	12424917
Patent Number:	5181117
Patent Number:	5247362
Patent Number:	5477271
Application Number:	11325344
Application Number:	11353971
Patent Number:	5025308
Patent Number:	5263182
Patent Number:	7557859
Application Number:	11545569
Application Number:	11186755
Application Number:	11175445
Application Number:	11182822
Application Number:	11192134
Patent Number:	D527405

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	90001000
NAME OF SUBMITTER:	Peter A. McKenna
Total Attachments: 4 source=ASSIGNMENT_AS_FILED#page1.tif source=ASSIGNMENT_AS_FILED#page2.tif source=ASSIGNMENT_AS_FILED#page3.tif source=ASSIGNMENT_AS_FILED#page4.tif	

## ASSIGNMENT

WHEREAS, SAMSUNG ELECTRONICS CO., LTD., of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742, Republic of Korea (hereinafter referred to as Assignor), is the owner of the Patents and Patent Applications set forth in the attached Schedule A of the inventions disclosed and claimed therein; and

WHEREAS, SAMSUNG TECHWIN CO., LTD., of 28 Sungju-dong, Changwon-city, Kyongsangnam-do, Republic of Korea (hereinafter referred to as Assignee), acquired the entire domestic and foreign right, title, and interest in, to and under the aforesaid patents, patent applications and inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor assigns and transfers to the Assignee and the Assignee's legal representatives, successors and assigns the entire right, title and interest in, to and under the patents, patent applications and inventions set forth in Schedule A and other such applications (e.g., continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the inventions, and the patents or extensions thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing dates and application numbers of the applications set forth in the Schedule A if the dates and numbers are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, Assignor conveys to the Assignee the right to make application in its own behalf for protection of the invention in countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application if any there be) to gain priority with respect to other applications.

ASSIGNOR DOES HEREBY COVENANT and agree with the Assignee that it will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reexamined and reissued patent and patent applications set forth in the Schedule A or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing

covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, Assignor has caused one of its officers to hereunder set his hand on the date shown below.

Date Jan. 18, 2010

Ki-woong Song  
Signature

Ki-woong SONG

Name

Senior Manager

Title

SAMSUNG ELECTRONICS CO., LTD.  
Assignor Name

### SCHEDULE A

Attachment to Assignment from Samsung Electronics Co., Ltd. to Samsung Techwin Co., Ltd.

No.	Attorney Docket No.	U.S. Application No.	Filing Date	Patent No.	Issue Date	Recordation Date	Reel/Frame
1	Q32534	08/073,674	06/08/1993	5,377,050	12/27/1994	06/08/1993	006584/0243
2	Q41040	08/612,415	03/07/1996	5,646,906	07/08/1997	05/22/1996	008020/0623
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10	Q116878	10/739,276	12/19/2003	7,505,782	03/17/2009	12/19/2003	014824/0876
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12	Q116880	10/774,469	02/10/2004	7,359,529	04/15/2008	02/10/2004	014982/0844
13	Q116881	10/983,242	11/08/2004	7,633,529	12/15/2009	11/08/2004	015971/0722
14	Q116881	10/947,438	09/23/2004	7,158,323	01/02/2007	09/23/2004	015822/0044
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36	Q116931	07/383,535	07/24/1989	5,181,117	01/19/1993	07/24/1989	005103/0751
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No.	Attorney Docket No.	U.S. Application No.	Filing Date	Patent No.	Issue Date	Recordation Date	Reel/Frame
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49	Q116939	29/226,441	03/29/2005	D527,405	08/29/2006	06/21/2005	016168/0911