

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jong-Sun SEL	09/30/2008
Jung-Dal CHOI	09/30/2008
Choong-Ho LEE	09/30/2008
Ju-Hyuck CHUNG	09/30/2008
Hee-Soo KANG	09/30/2008
Dong-uk CHOI	09/30/2008

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:	12257939

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

4591-625

NAME OF SUBMITTER:

Kurt Eaton

Total Attachments: 2

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PATENT

REEL: 021735 FRAME: 0521

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OP \$40.00 12257939

PATENT APPLICATION
Docket No.: 4591-625
Client Ref. No.: IE17330-US

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) **Jong-Sun SEL**
- (2) **Jung-Dal CHOI**
- (3) **Choong-Ho LEE**
- (4) **Ju-Hyuck CHUNG**
- (5) **Hee-Soo KANG**
- (6) **Dong-uk CHOI**

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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:





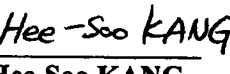
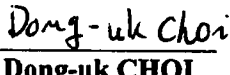
NON-VOLATILE MEMORY DEVICES AND METHODS OF FORMING THE SAME

for which an application for Letters Patent of the United States of America 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 interests 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.

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></u> Jong-Sun SEL	<u>Sept. 30, 2008</u>	_____
(2) <u></u> Jung-Dal CHOI	<u>Sept. 30, 2008</u>	_____
(3) <u></u> Choong-Ho LEE	<u>Sep. 30, 2008</u>	_____
(4) <u></u> Ju-Hyuck CHUNG	<u>Sept. 30, 2008</u>	_____
(5) <u></u> Hee-Soo KANG	<u>Sep. 30, 2008</u>	_____
(6) <u></u> Dong-uk CHOI	<u>Sep. 30, 2008</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

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210 S.W. Morrison Street, Suite 400
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