

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Min Young SON	04/28/2009
Gyu Sang CHOI	04/28/2009
Jae Don LEE	04/28/2009
Choong Hun LEE	04/28/2009

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742
City:	Suwon-si
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12470552

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	12000.SMG.0546
NAME OF SUBMITTER:	Charles Y. Park

Total Attachments: 6
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ASSIGNMENT

For valuable consideration, We,

- (1) Name: Min Young SON
Address: Rm. 603, Geumseong Apt. 29-2, Sinwol 5-dong,
Yangcheon-gu, Seoul 158-822, Republic of Korea
Nationality: Republic of Korea
- (2) Name: Gyu Sang CHOI
Address: Rm. 620, Seocho Rezion 1671-5, Seocho-dong, Seocho-gu,
Seoul 137-070, Republic of Korea
Nationality: Republic of Korea
- (3) Name: Jae Don LEE
Address: 302-406 Daeyoung Jangmi Apt., Geumchon 2-dong,
Paju-si, Gyeonggi-do 413-012, Republic of Korea
Nationality: Republic of Korea
- (4) Name: Choong Hun LEE
Address: Dormitory, Samsung Advanced Institute of Technology,
Mt. 14-1, Nongseo-dong, Giheung-gu, Yongin-si,
Gyeonggi-do 446-712, Republic of Korea
Nationality: Republic of Korea

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea corporation

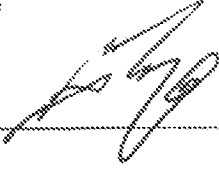
having principal executive offices at:

416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742,
Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 2,470,552 filed 05/22/2009 at the U.S. Patent & Trademark Office signed by us, with title MEMORY DEVICE AND CONTROL METHOD, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other

treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal this 28th day of
April, 2009

Signature:  _____

Min Young SON

City of Seoul :

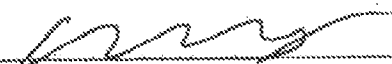
:

Country of Korea :

Before me this _____ day of _____, 2009, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 28th day of April, 2009

Signature: 
Gyu Sang CHOI


City of Seoul :

Country of Rep. of Korea :

Before me this _____ day of _____, 2009, personally appeared known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that they executed the same as his free act and deed for the purposes therein contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 28th day of
April, 2009

Signature: 
Jae Don LEE

City of Paju :

Country of Korea :

Before me this _____ day of _____, 2009, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 28th day of
April, 2009

Signature: Choong Hun Lee
Choong Hun LEE

City of Yongin :

Country of Korea :

Before me this _____ day of _____, 2009, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public