## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Seung-woo RYU	04/21/2010
Jae-min RYU	04/21/2010
Chul LEE	04/21/2010

### **RECEIVING PARTY DATA**

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

#### PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	12771203			

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER: Rachael Lea Leventhal

**Total Attachments: 5** 

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### **ASSIGNMENT**

For valuable consideration, We,

(1) Name:

Seung-woo RYU

Address:

203-1301 Yuwon Jeil 2cha Apt., 7-2, Dangsan-dong 5-ga,

Yeongdeungpo-gu, Seoul, Republic of Korea

Nationality:

Republic of Korea

(2) Name:

Jae-min RYU

Address:

101ho, Hanseo Villa, Ji-dong, Paldal-gu, Suwon-si,

Gyeonggi-do, Republic of Korea

Nationality:

Republic of Korea

(3) Name:

Chul LEE

Address:

534-1801 Sinnamusil 5danji Apt., Yeongtong 2-dong,

Yeongtong-gu, Suwon-si, Gyeonggi-do, 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 successor 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 12/771,203 filed April 30, 2010 \_ at the U.S. Patent & Trademark Office signed by us, with title MEMORY APPARATUS AND METHOD THEREFOR, 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

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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.

Witness or Notary Public

Page 4 of 5
IN WITNESS WHEREOF, I hereto set my hand and seal this 2 day of 1701, 2010
Signature: Jae-min RYU
City of <u>Suwon</u> :
City of Sunon:  Country of Karen:
Before me this
Witness or Notary Public

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In With	vess Whereof,	I hereto	set my	hand	and	seal t	his _	21th	_ day of
April	, 2010								
Signature:	Chul	Lee							
	Chul LEE								
City of									
City of	:								
Country of	:								
Before m	ne this	day of				, 20	10, pe	ersonally a	peared
known to me to	be the person wh	nose name is	subscr	ibed to	the fo	oregoing	g Ass	ignment an	ıd
acknowledged th	nat they executed	d the same as	his fre	e act ar	nd de	ed for tl	ne pur	poses ther	ein
contained.									
		W	itness o	r Notae	ry Dul	alic			

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**RECORDED: 04/30/2010** 

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