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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Moo-Kyoung Chung	01/30/2012
Soo-Jung Ryu	01/30/2012
Ho-Young Kim	01/30/2012
Woong Seo	01/30/2012
Young-Chul Cho	01/30/2012

RECEIVING PARTY DATA

Name:	Samsung Electronics Co., Ltd.	
Street Address:	416, Maetan-dong, Yeongtong-gu	
City:	Suwon-si, Gyeonggi-do	
State/Country:	REPUBLIC OF KOREA	
Postal Code:	443-742	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13362460

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ATTORNEY DOCKET NUMBER:	12000.SMG.1147
NAME OF SUBMITTER:	Nicholas M. Stabler

Total Attachments: 2

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PATENT REEL: 027626 FRAME: 0001 OP \$40.00 1336246

ASSIGNMENT

For valuable consideration, we,

Moo-Kyoung CHUNG B-405 Dormitory, Samsung Advanced Institute of

Technology, Mt. 14-1 Nongseo-dong, Giheung-gu, Yongin-

si, Gyeonggi-do, Republic of Korea

Soo-Jung RYU 404-2001 Gyeongnam Honors Ville Apt., Solbit Maeul,

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Ho-Young KIM 102-404 Inwangsan Hyundai Apt., Hongie 4-dong,

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Woong SEO 305-803 Dasup Castle Apt., Sibeom Daeun Maeul, Bansong-

dong, Hwaseong-si, Gyeonggi-do, Republic of Korea

Young-Chul CHO 504-204 Galhyeon Hyundai Hometown, Singal-dong,

Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

hereby assign to:

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

corporation/institute/institution having principal executive office(s) or place of business 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 13/362,460 01/31/2012 at the U.S. Patent & filed Trademark Office signed by us, with title MULTI-PORT CACHE MEMORY APPARATUS AND 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.

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memberes care make manuscript, files of patricipal control and statement references

PATENT REEL: 027626 FRAME: 0002 IN TESTIMONY/WITNESS WHEREOF, we, the undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This 30th day of JAN., 2012

Signature: Moo-Kyoung CHUNG

This ______, 2012

Signature: Soo-Jung RYU

This 30th day of Jan. 2012

Signature: Ho-Young KIM

This 30th day of Jan. , 2012

Signature: Woong SEO

This 30th day of Jan. 2012

Signature: Young-Chul CHO

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Service of the contract of the