PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				

CONVEYING PARTY DATA

Name	Execution Date
Sukhun Choi	08/07/2010
Kyunghyun Kim	08/07/2010
Chang Sup Mun	08/07/2010
Byoung Keun Son	08/07/2010

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			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12901025

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 8836-653/HL

NAME OF SUBMITTER: Frank Chau

Total Attachments: 2

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PATENT

REEL: 025116 FRAME: 0883

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ASSIGNMENT

DOCKET NO.: 8836-653 (IE190674US)

f us, individually hereby declare that:

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, KOREA

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: THREE DIMENSIONAL SEMICONDUCTOR MEMORY DEVICE AND METHOD OF FABRICATING THE SAME

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8836-653 (IE190674US), or is more particularly identified as:

G	execut	ed on even	date herewith, or	r							
G	Serial	No	filed	in	the	U.S.	Patent	&	Trademark	Office	on
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AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Frank Chau, Reg. No. 34,136</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

Sukhun Choi

Kyunghyun Kim

Date Signed

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RECORDED: 10/08/2010 REEL: 025116 FRAME: 0885