U.S. DEPARTMENT OF COMMERCE

To the Director of the U.S. Patent and Tragemark Onice. 303526357

inal documents or copy thereof.

SER 19 2000 WHEN A TRANSPORT

Name of conveying parties: Jae-cheol BAE Taek-seong JEONG Tae-kyung KIM Da-hye CHOI

9-19.08

Name and Address of receiving party: SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

	Republic of Korea						
3.	Nature of conveyance:  X						
4.	Application number(s) or patent number(s):  This document is being filed together with a new application:  (a) The execution date(s) of the application is/are:  (b) The title is: HOLOGRAPHIC INFORMATION RECORDING AND/OR REPRODUCING APPARATUS  OR  This document is being filed after filing of the application:  (a) Patent Application No(s). 12/233,066, filed September 18, 2008; or  (b) Patent No(s)., issued.						
5.	Name and address of party to whom correspondence concerning document should be mailed: STEIN, MCEWEN & BUI, LLP Our Docket: 0001.1561  Attention: Michael D. Stein 1400 Eye St., N.W., Suite 300 Washington, D.C. 20005						
6.	Total number of applications and patents involved:1						
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment)  ☐ Enclosed ☐ Authorized to be charged to Deposit Account No. 503333.						
8.	Deposit Account No. 503333: (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)						
Michael D. Stein, Reg. No. 37,240 Name of Person Signing  Name of Person Signing  Name of Person Signing  Name of Person Signing							
ivame	Total number of pages including covered and pages include and						
1	DO MOLOSE TUIS SENCE AT LETONET						

PATENT

REEL: 021579 FRAME: 0394

Attorney Docket No.: 0001.1561

## U.S. ASSIGNMENT

SMB 12/04

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the ontire and exclusive right, title and interest to the invention entitled (Title of Invention)

## 

(insert date of execution of application, if not concurrent)

Any registered attorney of STEIN, MCEWEN & BUI, LLP, 1400 Eye St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) is horeby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, relissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(a) and Letters Patent(s)").

The ASSIGNOR egree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may erise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful caths, providing swom testimony, and obtaining and producing evidence.

iN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	rventor(s) has (have) affixed his/her/ (Date)	elr eignature(s). (Typed Name & Signature of Witness(es)	
1) Jacked Bre Jackel BAE	Sep. 8th, 2008		
2) Tek Cong Jeing Taek-seong JEONG	8.22.2008		
3) Tae kyung King Tae-kyung KgM	Aug . 2008		
4)Da-hye CHOI			
5)			
6)			

環 基 MD4026251 Fera Storage EAD(DMB)\*\*\*\*\*\*\*22 200608131 F3658

PATENT REEL: 021579 FRAME: 0395

Attorney Docket No.: 0001.1561

## U.S. ASSIGNMENT

SMI 12/04

IN CONSIDERATION of the sum of Ono Dollor (#1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereination, "ASSIGNOR") by

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereination, "ASSIGNEE"), the receipt of which is hereby solutionsided, the undersigned ASSIGNOR hereby selfa, essigns and herefore to the invention entitled (Title of Invention)

## HOLOGRAPHIC INFORMATION RECORDING AND/OR REPRODUCING APPARATUS

oleting to international Patent Application PCT/Ji was executed an even date herewith or, if not so			
(a) executed on ;	(Insert date of execution of application, if not concurrent)		
(b) filled on .	Any registered attorney of STEIN, MCEVIEN & BUI, LLP, 1400 Eye		
Application No. Not yet essigned:	St., N.W., Suite 300, Weshington, D.C. 20006 (202/216-8605) is hereby authorized to insert in (b) the specified date, when known.		
•			

and to said application and all Letters Patern(s) of the United States granted on said application and any continuation, divinion, renewal, substitute, release or reexamination application based thereon, for the full form or terms for which the said Letters Patern(s) may be granted and including any ortansions thereof (collectively, hereinsiter, "said application(s) and Letters Patern(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the exponent of said ASSIGNEE, to do all acts which the ASSIGNEE may door necessary, destrable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said explication(s) and the issuence of said Letters Patent(s), in any injustmentary, network, release the proceeding, and in any thigation or other legal proceeding which may arise or be decisived in reliation to same, such acts to include but not be finited to executing all prepare, including separate sensymments and decisions, taking all rightful paths, providing sworn teathnessy, and obtaining and producing evidence.

	IN WITNESS WHEREOF, the und (Typed Name & Signature of Inve	eteigned inventor(s) ne injor(s))	क (Pane) affixed his/r (Oafe)	ientheir algnablic(a). (1 yped Neme & Sign	ature of Witness(es))
1)	Jan-cheof BAE	<del></del>	and the same of th		
Z)	Tack-seong JEONG	· .			
a)	Tee-kyung KiM	,			
	Da-hiye CHOI	1.20	950c P		
6)					
<b>6</b> 1					

SORR-DA-62 13:15 BEOM: BOST SEOUL UNIV

985888S:01

RECORDED: 09/19/2008

**2:** d