# 

FORM PTO-1595 PECOPIDATION FORM COVER SUFET US DEPARTMENT OF COMMERCE			
FORM PTO-1595  RECORDATION FORM COVER SHEET  Patent and Trademark Office  U.S. DEPARTMENT OF COMMERCE			
2001 Staas & Halsey LLP PATENTS ONLY			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies):  Moon-noh LEE Dong jin LEE Gwang-ho LEE Hyun-seok YANG Hong-gul JUN			
2. Name and Address of receiving party(ies):  08/29/2002 HLE333 00000031 10229134  04 FC:581  40.00 08			
SAMSUNG ELECTRONICS CO., LTD. 416 Maetan-dong, Paldal-gu Suwon-city, Kyungki-do Republic of Korea	267137		
3. Nature of conveyance:  X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): August 28, 2002			
<ul> <li>Application number(s) or patent number(s):</li> <li></li></ul>			
5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1293.1452  Attention: James G. McEwen 700 Eleventh Street, N.W., Suite 500 Washington, D.C. 20001			
6. Total number of applications and patents involved:1			
7. Total fee (37 CFR 3.41) (\$ 40.00 per Assignment)  X Enclosed Authorized to be charged to deposit account.			
<ol> <li>Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)</li> <li>(Attach duplicate copy of this page if paying by deposit account)</li> </ol>			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
James G. McEwen , Reg. No. 41,983 Name of Person Signing  August 28, 2002 Date  Total number of pages including cover sheet:	<u>4</u>		

**PATENT REEL: 013238 FRAME: 0379** 

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of th	Dollar (\$1.00), and of othe DR*I by	t bikg noith-bisness eldcular has boog $t$
Unvert Namelal & Address(es) of ASSIGNEE(S)	y.	
SAMSUNC ELECTRONICS CO., L		
416 Maetan-dong, Paldal-y	u, Suwon-city, Ky	ungki-do,
Republic of Korea		
thereinatter, "ASSIGNEE"1. The receipt of which and transfers to ASSIGNEE the entire and exclu	i is hereby acknowledged, the street to street the street to the street	ne undersigned ASSIGNOR hereby sells, assigns to the invention entitled
ITitle of Inventions		`
APPARATUS AND METHOD FOR I	DETERMINING DISC T	YPE
relating to International Patent Application PCT/.ll States was executed on even date herowith or,	Pand/or for if not so executed, was:	which application for Letters Patent of the United
(a) executed on 28 August 2002	: Unsert date of exec	cuvon of application, if not connument)
(b) filed on	Any registered att	DINCY OF STAAS & HALSEY, 700 Floventh
Serial No:	Suget, N.W., Wasi	hington, D.C. 20001 (202)434-1500) is
	known.	to insort in (b) the specified data, when
and to said application and all Letters Potent(s) of enewal, substitute, reissue or reexamination appracent(s) may be granted and including any extent(s).	dication based thereon, for t tensions thoroof toolicatively	, hereinafter, "said application(s) and Letters
n no all acts which the ASSIGNEE may deem no rotection for said invention, including in the properations, in any interfarence, reissue, recomminate which may arise or be declared in relation to same operate assignments and declarations, taking a vidence.	Moessary, desirable of exertion and prosecution and prosecution of exition, or public use a recedific ex, such acts to include but relightful eather, providing a	y, and in any litigation or other legal. inscreeding not be limited to executing all papers, including every testimony, and obtaining and producing
IN WITHESS WHEREOF, the undersigned inve	ntor(s) has (have) affixed his	sther/their signature(s). (Typed Name & Signature of Witness(es))
(Typed Name & Signature of Inventor(s))	(Date)	(Types rame o signature
. I am Moran Non	28 August 2002	
Moon-non Lee	28 Angust 2002	The second secon
Dong jin Lee Gwang ho	28 August 2002	
Gwang-ho Lee		
Hyun-seok Yang		
Hong-gul Jun		

PATENT REEL: 013238 FRAME: 0380

## **U.S. ASSIGNMENT**

SMILLER

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 (Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO. LTD 416 Maetan-dong, Paldal-gu, Suwon-city, Kyongki, Co., Republic of Korea

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

#### APPARATUS AND METHOD FOR DETERMINING DISC TYPE

relating to International Patent Application PCT/JP/_executed on even date herewith or, if not so executed, was:	und/or for which application for Letters Patent of the United States was	
(a) executed on 28 August 2002	(Insert date of execution of application, if not concurrent)	
(b) filed on  Serial No/;	Any registered attorney of STAAS & HALSEY (1), 700 Eleventh Street.  N.W., Washington, D.C., 20001 (202/434-1599) is hereby authorized to insert in (b) the specified data, when known.	
reissue or reexamination application based thereon, for the full is any extensions thereof (collectively, hereinafter, "said application." The ASSIGNOR agree(s), when requested by said ASSIGNI	E and without charge to but at the expense of suid ASSIGNEF, to do all acts	
including in the preparation and prosecution of said application	r other legal proceeding which may arise or be declared in relation to same, such ing separate assignments and declarations, taking all rightful oaths, providing	
Moun-noh Lee		
2) Dong-jin I.ec		
4) Hyun-seok Yung 28	3 August 2002	
5) Ilong-gul Jun		
6)		
7)		
8)		

PATENT REEL: 013238 FRAME: 0381

### U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dullar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSICNEE(S))

SAMSUNG ELECTRONICS CO., LTD
416 Nactan-dong, Paldalgu, Suwon-city, Kyungki-do, Republic of Korea

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

#### APPARATUS AND METHOD FOR DETERMINING DISC TYPE

relating to International Patent Application PUT/IP / executed on even date herewith or, if not so executed, was:	und/or for which application for Letters Patent of the United States was
(a) executed on <u>28 August 2002</u> ;	(Insert date of execution of application, If not concurrent)
(b) filed on;	Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to tasert in (b) the specified data, when known.
reissue or reexamination application based thereon, for the fail i any extensions thereof (collectively, hereinarter, "said application	
which the ASSIGNEE may deem necessary, desirable of expedincluding in the preparation and prosecution of said application reexamination, or public use proceeding, and in any Intigation of acts to include but not be limited in executing all papers, includ swarm testimony, and obtaining and producing evidence.	EE and without charge to but at the expense of suid ASSIGNEE, to do all now ient, for securing, maintaining and enforcing protection for suid invention.  (a) and the issuance of suid Letters Patent(s), in any interference, reissue, rother legal proceeding which may arise or be declared in relation to same, such ing separate assignments and declarations, taking all rightful oaths, providing
IN WITNESS WHEREOF, the undersigned inventor(s) has (Typed Name & Signature of Inventor(s))	(have) affixed his/her/thoir signature(8). (Uate) (Typed Name & Signature of Witness(83))
Monn-noh Lec	
Dong-Jin Lee	
Owang-hu Lec	
Hyun cook Yang  5) Hong-guil lun	August 2002
6)	
7)	
8)	

**RECORDED: 08/28/2002** 

PATENT

REEL: 013238 FRAME: 0382