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	MODIFIED Form PTO-1595 RF Rev. 10/02)				ARTMENT OF C		
Ĺ	11211			original documents o	r copy thereof	0	
	To the Director of the U.S. Patent ar.  1. Name of conveying party(ies):	1020	<b>387034</b> 2. Name and address of:			38 38	
	fin-seung SOHN					S S =	
1	Myung-bok LEE		SAMSUNG ELECTRON 416 Maetan-dong, Yeong Republic of Korea	tong-gu, Suwon-si	, Gyeonggi-do	, <sup>∩</sup> 88 <b>=</b>	
	Mee-suk JUNG		Republic of Korea			<sup>5</sup> / <sub>9</sub>	
	Eun-hyoung CHO Hae-sung KIM					162	
1							
1	Additional name(s) of conveying party(ies) attached?   Yes	☑ No					
1	3. Nature of conveyance:	<u>-</u>					
1	Assignment						
1	☐ Security Agreement ☐ Change of Name						
1	🗖 Other						
`[ ,	Execution Date: November 11, 2004		Additional name(s) & addre	ss(es) attached?	Yes ☑ No		
	4. Application number(s) or patent number(s):		<u> </u>				
1	If this document is being filed together with a new application, the execution date of the application is: November 11, 2004						
1	A. Patent Application No.(s)		B. Patent No.(s)				
ı	Not yet assigned		Not yet assigned				
	Additional r	ional numbers attached?					
	5. Name and address of party to whom corresponde	ence	6. Total number of appl	cations and patents	involved:		
ı	concerning document should be mailed:			1			
ı	SUGHRUE MION, PLLC		7. Total fee (37 CFR 3.4 ☑ Enclosed.	1): \$40.00			
	washington office			charged to Deposit	Account No. 1	9-4880.	
	23373 CUSTOMER NUMBER		The USPTO is directed				
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ı			Account No. 19-4880. F	lease also credit an	y overpaymen	ts to said	
1			Deposit Account.  8. Deposit Account Nur	her:			
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ı	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.					сору ој те	
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	Total number of pages including cover sheet, attachments, and documents: 2						
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J,	Director of the U.S. Patent and Trademark Office 1719/2004 DBYRNE 00000063 10986838 P.O. Box 1450						
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PATEI

PATENT REEL: 015993 FRAME: 0657

## Assignment

Whereas, I/We, SOHN, Jin-seung, LEE, Myung-bok, JUNO, Mee-suk, CHO, Eunhyoung, and KIM, Hac-sung of Scoul, Republic of Korea, Suwon-si, Republic of Korea, Suwon-si, Republic of Korea, Seoul, Republic of Korea, and Yongin-si, Republic of Korea, respectively, hereinafter called assignor(s), have invented certain improvements in INTEGRATED OPTICAL PICKUP AND OPTICAL RECORDING AND/OR REPRODUCING APPARATUS USING THE SAME and executed an application for Letters Patent of the United States of America therefor on 11 November 2004; and

Whereus, SAMSUNG ELECTRONICS CO., LTD., 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyconggi-do, Republic of Korea (assignce), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

	I/We hereby as	thorize and request our attorneys SUGHRUE MION, PLLC of 2100				
Penns	ylvania Avenue,	NW, Washington, DC 20037-3213 to insert here in parentheses				
(Appl	ication number	and Confirmation number, filed				
the application number and filing date of said application when known.						
Date:	11 November	2004 3247				
-	s/SOHN, Jin-soung					
Date:	11 November	2004 Mbhar				
٨.		u/LEE, Myung-bok				
Date:	11 November	2004				
	s/JUNG, Mae-auk					
Dute:	11 November					
		s/CHO, Eun-hyoung				
Date:	11 November	2004 Jahlang				
	1-	s/KIM, Hac-sung				

(Legalization not required for recording but is prime facle evidence of execution under 35 U.S.C. §261)

RECORDED: 11/15/2004

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