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SUGHRUE, MION, ZINN, MACPEAK & SEA	S, PLLC 7. Total Fee (37 CFR	7. Total Fee (37 CFR 3.41): \$40.00					
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A. Patent Application No.(s)	B. Patent No.(s)						
09/340,188							
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Alan J. Kasper	7. Total Fee (37 CFR 3.41): \$40.00						
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Assignment

Whereas, #We,

TAKASHI WATANABE and KAZUAKI HASHIMOTO

of

Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in

SUBSTRATE FOR INFORMATION RECORDING MEDIUM AND METHOD OF PRODUCING IT, AND INFORMATION RECORDING MEDIUM COMPRISING THE SUBSTRATE

and executed an application for Letters Patent of the United States of America therefor on

August 4, 1999; and

Whereas, HOYA

HOYA CORPORATION

7-5, Naka-Ochiai 2-chome, Shinjuku-ku, Tokyo, Japan

(assignee), 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,

#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 #we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and #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.

#We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number 09/340,188, filed 3une 28, 1999) the filing date and application number of said application when known.

Date: August 4, 1999	9 s/	Takashi	Vatanabe		
			, .		WATANABE
Date: August 4, 1999	9 s/	Kaznaki	Hashina	to	
) =			KAZUAKI	HASHIMOTO
Date:	s/				
Date:	s/				
Date:	s/				

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

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PATENT REEL: 010534 FRAME: 0779