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Statement and Signature		
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	25 660 DUI BY	vember 30, 1998
James V. Costigan, Reg. No.		
Name of Person Signing	Signature	Date

ASSIGNMENT

Attorney Docket 645-108

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

HIGH RIGIDITY GLASS-CERAMIC SUBSTRATE FOR A MAGNETIC INFORMATION STORAGE MEDIUM

sell and assign to KABUSHIKI KAISHA OHARA

a corporation of Japan having a business address at

1-15-30, Oyama, Sagamihara-shi, Kanagawa-ken, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representative all facts known to me respecting said invention to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

INVENTOR	SIGNATURE	and DATE	RESIDENCE & P.O. ADDRESS
Sign: Paryuhi Joto		Date: Nov. 12, 199	78 1769-1, Ohshima, Sagamihara-shi,
Type: NAOYUKI		Witness:	Kanagawa-ken, Japan
sign: Kousuke Nakajimu		Date: Nov.12, 1998	3402-9, Miyayama, Samukawa-machi, Kouza-gun,
Type: Kousuke	NAKAJIMA	Witness:	Kanagawa-ken, Japan
Sign: Junko	Ishicka	Date: My 12, 1998	1-6-9, Sagamihara,
Type: JUNKO ISHIOKA		Witness:	Sagamihara-shi, Kanagawa-ken, Japan
Sign:		Date:	
Type:		Witness:	·

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