The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignce, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	May 6. 2004.		Gasuaki Iwase			
			(signature)			Yasuaki IWASE
Date	4/27/2004	Name of Inventor	**************************************	Gashifum	i yaai	
			(signature)			Yoshifumi YAOI
Date .	May 6. 2004.					,
	U		(signature)			Hiroshi IWATA
Date .	May 6.2004.	Name of Inventor		archile.	Shelato	
	V		(signature)	<u>.</u>	_	Akihide SHIBATA
Date .	May 6. 2004,	Name of Inventor		Foskinao	Morkama	V
•	Ų		(signature)			Yoshinao MORIKAWA
Date .	May. 6.2004	Name of Inventor		nasaan (	Marale	
			(signature)		_	Masaru NAWAKI

RECORDED: 05/18/2004

PATENT REEL: 015344 FRAME: 0553

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Name/address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: 1					
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