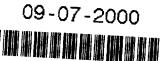
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THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

Please record the attached original documents or copies thereof.

	1.			ng party(ies) AKOMORI;		SAI and	I NORIA	(I MIZUNO		
	2.	SF 26	PEEDFAI 647 HAYA	s of receivi M-IPEC CO AKAWA II, KANAGA	., LTD.	,	APAN			
	3.	Nature of	f conveya	ance:						
			Assignn					Merger		
			_	/ Agreemen	nt			Change of	of Name	<u>.</u>
			Other:					3	,	
		Execution	n Date: 🎝	July 17, 200	00	_			_	
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	4 .			er(s) or app				•	, ,	
		If this dod	cument is	being filed	together	with a r	new applic	cation, the e	executio	n date of
	the ap	plication is		ıly 17, 2000						
		A. <u>Ap</u>	plication	<u>No.</u>	B.	<u>Applic</u>	cation Da	<u>te</u>		
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	7.	Total Fee	(37 C.F.	F . 3.41(h))	\$40.00/a	ssignme	ent.			
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PATENT

REEL: 011047 FRAME: 0221

JOINT ASSIGNMENT

The ASSIGNORS, Shunji Hakomori, Toru Asai and Noriaki Mizuno

have invented certain new and useful improvements in: SINGLE-SIDE POLISHING METHOD FOR SUBSTRATE EDGE, AND APPARATUS THEREFOR an invention which is fully described in an application for Letters Patent of the United States executed by them this day; and

The ASSIGNEE, SpeedFam-IPEC CO., LTD., a corporation organized under the laws of Japan having its principal office at 2647 Hayakawa, Ayase-shi, Kanagawa 252-1123 Japan, wishes to acquire the entire right, title and interest in and to the invention and under Letters Patent which may be obtained for this invention.

For valuable and legally sufficient considerations, receipt of which are hereby acknowledged, the Assignors sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest for the United States in and to the above-identified invention and application and for the full term of any Letters Patent of the United States that may issue for the invention.

The Assignors also sell, assign and transfer to Assignee the entire right, title and interest in and to the invention and application for Letters Patent and Letters Patent therefor in all countries foreign to the United States, including all rights under the International Convention. The Assignors further authorize Assignee to apply for Letters Patent in foreign countries in the name of Assignee, and to claim the priority of the filing date of the United States Application under the provisions of the International Convention.

The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.

The Commissioner of Patents of the United States is authorized and requested to issue Letters Patent of the United States to Assignee. The Assignors also authorize and request the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

Inventor's Name Shunji Hakomori	Inventor's Name			
Signature Shunje / Alfornori	Signature			
Date July 17, 2000	Date			
Inventor's Name Toru Asai	Inventor's Name			
Signature Toru Asai	Signature			
Date July 17, 2000	Date			
Inventor's Name Noriaki Mizuno	Inventor's Name			
Signature Noviaki Mizumo	Signature			
Date July 17, 2000	Date			

RECORDED: 08/24/2000

PATENT REEL: 011047 FRAME: 0222