Box	Assignments hington, D.C. 20231		DEPARTMENT OF COMMERCE Patent and Trademark Office ney Docket No. <u>JAO 30763</u>
	MRD 3-17-98 1010	671605	
	To the Assistant Commissioner for Patents: Please	record the attached original	document or copy thereof.
1.	A. Name of conveying party:	2. A. Name and addr	ess of receiving party:
	Hideaki HAIGO		OGYO KABUSHIKI KAISHA RO-CHO, MIZUHO-KU -8561
	B. Additional name(s) of conveying party(ies) attached?		
	TYes 🛛 No		
3.	A. Nature of conveyance:		
	X Assignment Merger	B. Additional nam	ne(s) & address(es) attached?
	Security Agreement Change of Name		∏Yes ⊠ No
	B. Execution Date: <u>March 13, 1998</u>		
4.	A. If this document is being filed together with a new as <u>1998</u> .	oplication, the execution da	te of the application is: <u>March 13</u> ,
	B. Patent Application No.(s)	C. Patent No.(s)	
	09-042993 Additional numbers a	.ttached? 🔲 Yes 🛛 No	
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of app	lications and patents involved:
	Name: <u>James A. Oliff</u>	7. A. Total fee (37 C	CFR 3.41) \$ 40 E
		B. Enclosed (Che	ck No. <u>58707</u>)
	Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320	8. Credit any overpays deposit account nur	ment or charge any underpayment to nber 15-0461.
9.	Statement and signature. To the best of my knowledge and belief, the foregoing inf the original document.	ormation is true and correc	t and any attached copy is a true copy of
		Date	: March 17, 1998
	James A. OliffRegistration No. 27,075Eric D. MorehouseRegistration No. 38,565		_
	Total number o	f pages including cover she	et, attachments, and document: 2

PATENT REEL: 011516 FRAME: 0474

ASSIGNMENT

		(1) _+	lideaki Halgo	_	· · · · · · · · · · · · · · · · · · ·			-
(1-8)	insert Name(s) of Inventor(s)	(2)				(6)		
		(3)						
								~
							l valuable considerations paid to each of gn, transfer and set over to	f
(9)	insert Name of Assignee	(9)	Brother Kogy	o Kabu	shiki Kaisha			
(19)	insert Address of Assignee	(10) 15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan						
(11)	insert Identification such as Title, Case Number, or Foreign Application Number	provisio	nal, divisional, co and reexamination	minuat In certif	ion, substitute, icates that may t	and reissue application are granted on the invention METHOD FOR MANUF		i.
		(Atom	ry Docket No.		0 30763			-)
		for whic	h the undersigned	has (h	ive) executed an	application for patent in	the United States of America	
(12)	insert Dats of Signing of Application	(12) o	n <u>Marci</u>	13,	1998			
(13)	Alternative	(13) U.S. application Serial Number						
	Identification for filed applications	fied	March	17,	1998			

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or release application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by relasue or mexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE 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 United States Patent and Trademark Office for recordation of this document.

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

Date	Mar. 13, 1998	Name of Inventor	Hideaki	Haigo	(SEAL)
Date		Name of inventor			(SEAL)
Date		Name of Inventor			(SEAL)
Date	·	Name of Inventor			(SEAL)
Date		Name of Inventor			(SEAL)
Date		Name of Inventor			(SEAL)

This assignment should preferably be signed before; (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	mar.	13.	1998
Date	mar.	13.	1998

		11 1
Witness	Rycham	Hayakama
Witness	Motalita	

PATENT REEL: 011516 FRAME: 0475

RECORDED: 03/17/1998