Mail Stop: Assignments Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		RECORDATION FORM PATENTS O	EPARTMENT OF COMMERCE Patent and Trademark Office cket No. 124504		
Plea	se record the attached document.				
Tota	d number of pages including cover sh	neet, attachments, and docume	nt: <u>4</u>	·	
1.	A. Name of conveying parties: 1. Yoshihisa SHOJI 2. Shinya FUJIHARA 3. Noboru MIZUNO B. Additional name(s) of conveying parties:	ing party(ics) attached? □ Yes ⊠ No	]	BROTHER KO	
3.	A. Nature of conveyance:		B. A	Additional name(s	) & address(es) attachcd? ☐Yes ⊠ No
	Assignment     □	Merger			
	Security Agreement	Change of Name		:	
	Other			;	
	B. Execution Date: 1, August 2 2005 and 3, August 24, 2005	31, 2005; 2 <u>. June 16,</u> —		· :	
4,	A. Patent Application No.(s) 11/	169,925	В. У	Patent No.(s)	
		Additional numbers attack	ned? 🔲 Ye	s 🛛 No	
	C. Title of Application: <u>SEW</u>	ING MACHINE WITH A	<u>\UTOMAT</u>	IC THREADI	NG MECHANISM
5.	Name and address of party to whon concerning document should be ma	n correspondence iled:	6. Total:	number of applica	ations and patents involved: 1
	Name: James A. Oliff				posit Account No. 15-0461 the 3.41) in the amount of \$40.00.
	Address: OLIFF & BERRIDGE, P.O. Box 19928 Alexandria, VA 2 Phone Number: 703-8 Fax Number: 703-83	2320 36-6400		t any overpaymen it account number	t or charge any underpayment to r 15-0461.
9.	Statement and signature. To the best of my knowledge and b original document.	elief, the foregoing information	on is true and	:	
	James A. Oliff, Registration No. 27	Date: <u>Septemb</u>	ет 21, 2005		
	Jesse O. Collier, Registration No. 5	53,839			"- <del> </del>

PATENT REEL: 016837 FRAME: 0336

## ASSIGNMENT

		(1)	Yoshihisa SHOJI	(5)	
(1-8)	insert	(2)	Shinya FUJIHARA	(6)	
	Name(s) of Inventor(s)	(3)	Noboru MIZUNO	(7)	
		(4)			
		under	In consideration of the sum of one dollar (\$1.0 signed, the undersigned agree(s) to assign, a	, –	
<b>(</b> 9)	insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI	KAISHA	·
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, I	Nagoya-shi, Aichi-	ker, 467-8561 Japan
	·		onal, continuation, substitute, and reissue a mination certificates that may be granted on the		
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	<del></del>		THREADING MECHANISM
(ff)	Identification	(11)	SEWING MACHINE WITH	AUTOMATIC	
(FF)	identification such as Title, Case Number, or Foreign	(11) (Attori	SEWING MACHINE WITH	AUTOMATIC	THREADING MECHANISM
(11) (12)	identification such as Title, Case Number, or Foreign	(11) (Attori	SEWING MACHINE WITH  ney Docket No. ich the undersigned has (have) executed an a	AUTOMATIC	THREADING MECHANISM

or continuation or division thereof, or any patent or reissue 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 agree(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 reissue or reexamination 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 date(s) opposite the undersigned name(s).

Date	3/st Aug. 2005	Name of Inventor	Zposhihisa Streje	(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)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)

## **ASSIGNMENT**

		(1)	Yoshihisa SHOJI	(5)				
(1-8)	Insert	(2)	Shinya FUJIHARA	(6)				
(1-0)	Name(s) of Inventor(s)	(3)	Noboru MIZUNO					
	or money.	(4)						
			In consideration of the sum of one dollar (\$ rsigned, the undersigned agree(s) to assign	i .00) and other good and valua	ble considerations paid to each of the sfer and set over to			
(9)	insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIK	I KAISHA				
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku,	Nagoya=shi, Alchi∺ken, ∠	167-8561 Japan			
(11)	Insert Identification such as Title, Case Number, or Foreign	in 35 divis reex (11)	inafter designated as the Assignee) the enti- U.S.C. §100, in the invention, and in all applonal, continuation, substitute, and reissue imination certificates that may be granted or SEWING MACHINE WITH	lications for patent including an application(s), and all Letter in the invention known as	ny and all provisional, non-provisional, rs Patent, extensions, reissues and			
	Application Number	(Attorney Docket No.						
		for w	hich the undersigned has (have) executed a	n application for patent in the U	Julted States of America			
(12)	insert Date of Signing of Application	(12)	on <u>June 16, 2005</u>	:				
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number	<u> </u>				
		filed						
for the i	nvention, and any patent(s)	issuinģ	tute all papers necessary in connection with a thereon, and also to execute separate assi tute all papers necessary in connection with	ignments in connection with s	uch applications and patents as the			

or continuation or division thereof, or any patent or reissue 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 agree(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 reissue or reexamination 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 date(s) opposite the undersigned name(s).

Date	Jun. 16. 2005	Name of Inventor	Shinya Fujihara	(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)
Date	·	Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)

**PATENT** REEL: 016837 FRAME: 0338

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	•	(1)	Yoshihi	isa SH	OJI		(8	5)		
(1-8)	Insert	(2)	Shinya	FUJIH	ARA	• •	— (6	<del></del> 6)		
	Name(s) of Inventor(s)	(3)	Noboru	MIŽUN	Ю					
		(4)					(6			· • • • • • • • • • • • • • • • • • • •
		unde	In considerat rsigned, the ur	ion of the su dersigned :	ım of one d agree(s) to	dollar (\$1.00 assign, ar	0) and other of hereby do	good and	l valuable considera n, transfer and set o	tions paid to each of the ver to
<b>(9</b> )	Insert Name of Assignee	(9)	BROTHE	R KOGY	O KAB	USHIKI	KAISHA			<del>_</del> .
(10)	Insert Address of Assignee	(10)	15-1 Na	eshiro-ch	o, Mizu	ho-ku, N	lagoya-shi	i, Aichi-l	ken: 467-8561	Japan
		in 35 divisi	U.S.C. §100, i onal, continua imination certif	n the invent tion, substi icates that r	ion, and in tute, and nay be gra	atl applicat reissue ap anted on the	tions for pat optication(s), e invention (	ent includ , and all known as	ling any and all provi Letters Patent, ext	s of America as definec isional, non-provisional tensions, reissues and
(11)	Insert	(11)	SEWI	NG MAC	HINE	WITH	MOTUA	ATIC	THREADING	MECHANISM
•	identification such as Title, Case Number, or Foreign Application Number	(Atto	rney Docket N	o. <u>-</u>						
		for wh	nich the unders	igned has (	have) exe	cuted an ap	oplication fo	r patent ir	the United States of	of America
(12)	Insert Date of Signing of Application	(12)	on Au	gust 2	24, 2	005			· · · · · · · · · · · · · · · · · · ·	
(13)	Alternative	(13)	U.S. application	on Serial Nu	mber					
,,	Identification for filed applications	filed				_				-
rovision f a valid esulting ntire inl	In obtaining evidence and g 3) The undersigned agree as of the International Conve 4) The undersigned agree(s 4) United States patent to the 5) The undersigned hereby from said application(s) to the terest herein assigned, and the 6) The undersigned hereby	(s) to exernation for P ) to perfore Assignee / authorize to said As hat he has	cute all papers rotection of Ind m all affirmative e(s) and reque signee, as Ass (they have) no	s and docur dustrial Prope acts which act(s) the C signee of the of executed,	oerty or sir may be n ommission entire inte and will n	nilar agreer ecessary to her of Pate erest, and h not execute,	ments. obtain, maints to issue ereby cover any agreer	intain or o any and nants that nents in o	onlirm by reissue or f all Letters Patents he has (they have) conflict herewith.	reexamination a grant of the United States full right to convey the
	ry or desirable in order to co									
	in witness whoreof, execu	ted by the	undersigned	on the dat	e(s) oppo	site the ur	ndersigned	name(s)	•	
Date	Aug. 24,	<u> 200!</u>		me of Inver	ntor	<u>lober</u>	ru. (	<u>V(tz</u>	<u>uno</u>	(SEAL)
Date		<del>-</del> ·	_ Na	me of Inver	ntor					(SEAL)
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PATENT REEL: 016837 FRAME: 0339

**RECORDED: 09/21/2005**