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Alexandria, VA 22313-1450	102575	017	Attorney Docket No.	116322			
Please record the attached original document or copy thereof.							
A. Name of conveying party: Hiroshi KITAZAWA		BROTE 15-1, N	and address of receiving party: HER KOGYO KABUSHIKI K AESHIRO-CHO, MIZUHO-K YA-SHI, AICHI-KEN, 467-8:	AISHA (U,			
B. Additional name(s) of conveying	ng party(ies) attached? ☐ Yes ☒ No						
3. A. Nature of conveyance:		B. Additio	nal name(s) & address(es) atta □Yes ☑ N				
Assignment Security Agreement Other	Merger Change of Name						
B. Execution Date: <u>June 13, 2003</u>	-	,					
4. A. If this document is being filed	together with a new appl	ication, the execution	n date of the application is: <u>Ju</u>	ine 13, 2003			
B. Patent Application No.(s)	Additional numbers atta		No.(s)				
Name and address of party to whom concerning document should be mail		6. Total number	of applications and patents in	volved: 1			
Name: <u>James A. Oliff</u> LANDGRA 00000057 10451683 40.00 DF			e (37 CFR 3.41)\$ 40.0	0			
Address: OLIFF & BERRIDGE, P P.O. Box 19928 Alexandria, VA 223			erpayment or charge any unde int number 15-0461.	erpayment to			
9. Statement and signature. To the best of my knowledge and belithe offginal document. The offginal document.	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of						
James A Oliff Registration No. 27,0 Joel S. Armstrong Registration No. 3		Da	ate: June 25, 2003				
Total number of pages including cover sheet, attachments, and document: 2							

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> PATENT REEL: 014577 FRAME: 0927

ASSIGNMENT

		(1)	Hiroshi Kitazawa	(5)
(1-8) Insert	(2)			
	Name(s) of Inventor(s)	(3)		
		(4)		
		unders	In consideration of the sum of one dollar (\$1.00) signed, the undersigned agree(s) to assign, and	and other good and valuable considerations paid to each of the
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI K	AISHA
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Na	ngoya-shi, Aichi-ken, 467-8561 Japan
(11) Insert		divisio	nal, continuation, substitute, and reissue appl nination certificates that may be granted on the	ons for patent including any and all provisional, non-provisional, lication(s), and all Letters Patent, extensions, reissues and invention known as EEDLE THREAD CASSETTE, AND
ldentification such as Titi Number, or	Identification such as Title, Case	ation	NEEDLE THREAD CASSETTE	
	Number, or Foreign Application Number	(Attori	ney Docket No)
		for whi	ch the undersigned has (have) executed an app	plication for patent in the United States of America
(12)	Insert Date of Signing of Application	(12)	June 13, 2003	
		(13)	U.S. application Serial Number	
(13)	Alternative Identification for	(13)		

- 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 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	JUNE 13,2003	Name of Inventor	HirosHi Kitazawa	(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)

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RECORDED: 06/25/2003