Ass Dir P.C	ector and T D. Bo	p: ents Recordation Services RECORDATION FORE of the U.S. Patent PATENTS frademark Office x 1450 lria, VA 22313-1450	ONLY Patent and Trademark Office							
			Attorney Docket No. 121124							
Please record the attached document.										
Total number of pages including cover sheet, attachments, and document: 2										
1.	Α.	Name of conveying party: Osamu TAKAGI	2. A. Name and address of receiving party: BROTHER KOGYO KABUSHIKI KAISHA 15-1 NAESHIRO-CHO, MIZUHO-KU, NAGOYA-SHI, AICHI-KEN, 467-8561							
	В.	Additional name(s) of conveying party(ies) attached?	JAPAN							
3.	Α.	Nature of conveyance:	B. Additional name(s) & address(es) attached? □Yes ☑ No							
		Assignment								
		Security Agreement								
		Other								
	В.	Execution Date: September 23, 2004								
4.	A.	Patent Application No. 10/948,282	B. Patent No.(s)							
	Additional numbers attached?									
	C.	C. Title of Application: TUBE FIXING STRUCTURE AND FIXING MEMBER USED THEREFOR								
5.		ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1							
	Na	me: James A. Oliff	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.							
	Ad	dress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320 Phone Number: 703-836-6400 Fax Number: 703-836-2787	Credit any overpayment or charge any underpayment to deposit account number 15-0461.							
9.	To t	tement and signature. the bost of my knowledge fund belief, the foregoing inform or original doctument for the foregoing information of A. Oliff Registration No. 27,075 in A. Cafamanica, Jr. Registration No. 51,528	ation is true and correct and any attached copy is a true copy of  Date: January 24, 2005							

PATENT REEL: 015618 FRAME: 0944

## ASSIGNMENT

		(1)	Osamu TAKAGI	(5)	1		
(1-8)	Insert	(2)		(6)	1		
	Name(s) of Inventor(s)	(3)	·				
			In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to				
(9) insert Name of Assignee (9) BROTHER KOGYO KABUSHIKI KAISHA							
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya—shi, Aichi—ken 467-8561, Japan				
	-		(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11)	Insert (11) Identification of Invention such as Title, Case Number, or Foreign Application Number		TUBE FIXING STRUCTURE AND FIXING MEMBER USED THEREFOR				
			(Attorney Docket No. 121124	4	· .		
			for which the undersigned has (have) exe	ecuted an application	on for patent in the United	States of America	
(12)	Insert Date of Signing of Application	(12)	on Sep. 23, 200	4	,		
(13)	Alternative	(13)	U.S. application Serial Number	10/948,282			
	Identification for filed applications		filed September 24, 20	004	· · · · · · · · · · · · · · · · · · ·		
applicate any applicate any applicate any applicate and claims of reexame States afull right herewith	tions and patents as the 2) The undersigned oblication or continuation in every way possible.  3) The undersigned or provisions of the Interpretation of the Interpretation a grant of a variety. The undersigned ination a grant of a variety of the undersigned to convey the entire interpretation.  6) The undersigned may be necessary or continuation of the undersigned may be necessary or continuation.	ne Ass d agree n or di ele in o d agree ernatic d agre lid Uni d here plicatio nteres d herel	on, and any patent(s) issuing thereon, an ignees may deem necessary.  e(s) to execute all papers necessary in consistent of the variety of variety o	onnection with any oblication based there such interference, and perform any a Property or similar may be necessar sioner of Patents to the entire interest, ave) not executed, GE the power to insulated States Pate opposite the under the side of the under the side opposite the under the side opposite the under the side of the side opposite the under the side opposite the under the side of the side opposite the under the side opposite t	interference which may leen, for the invention, an act which may be neces agreements. The invention of the i	be declared concerning d to cooperate with the sary in connection with confirm by reissue or rs Patents of the United that he has (they have) agreements in conflict	
D-4	. Sep. 23	. 2	004 Name of Inventor	Osamu	Takagi	(SEAL)	
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Dat	е		Name of Inventor _			(SEAL)	

Date Name of Inventor PATENT (SEAL)
RECORDED: 01/24/2005 REEL: 015618 FRAME: 0945