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P1	ease re	cord the attached document.								
To	otal nui	nber of pages including cover she	et, attachments, and docum	ent: <u>2</u>						
1.	A. B.	Name of conveying parties: (1) Kentaroh NORIMA (2) Takayuki MATSUS (3) Hironori YAMAM(Additional name(s) of conveying	SHITA OTO	2. A.	OSG C		•			
3,	A.	Nature of conveyance:		В.	Additional		ress(es) attached?]Yes 🛛 No			
	\boxtimes	Assignment	Merger							
		Security Agreement	Change of Name							
		Other								
	В.	Execution Date: (1-3): Decem	nber 13, 2011							
			unio Vanna pro u							
4.	A.	Patent Application No.	13/379,535	В.	Patent No.	(s)				
		Additional numbers attached? ☐ Yes ☒ No								
	C. Title of Application: THREAD FORMING TAP									
5.		ne and address of party to whom co	•	6. Total	l number of	applications an	d patents involved: 1			
	Name: James A, Oliff						ccount No. 15-0461 the the amount of \$40.00.			
	Ad	dress: OLIFF & BERRIDGE P.O. Box 320850 Alexandria, VA 22320 Phone Number: 703-83 Fax Number: 703-836)-4850 6-6400			payment or charg number 15-046	ge any underpayment to i1.			
9.	To the order	ement and signature. The best of my knowledge and believed in all deforment. The system of the syste	5	n is true and		nd any attached ecember 20, 20				

PATENT REEL: 027473 FRAME: 0220

ASSIGNMENT

	Insert Name(s) of Inventor(s)	(1)	Kentaroh NORIMATSU	(2)	Takayuki MATSUSHITA				
(1-8)		(3)	Hironori YAMAMOTO	(4)					
		(5)		(6)					
		(7)		(8)					
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to							
(9)	Insert Name of Assignee	(9)	OSG CORPORATION						
(10)	Insert Address of Assignee	(10)	22, Honnogahara 3-chome, Toyo	kawa-shi, Aich	i, Japan				
	•	the en	nited States of at including any cation(s), and a	neirs, successors, assigns and legal representate America as defined in 35 U.S.C. §100, in the y and all provisional, non-provisional, divisional Letters Patent, extensions, reissues and tention known as					
(11)	Insert Identification such as Title, Case	(11)	THREAD FORMING TAP						
	Number, or Foreign		1.7	1 002					
	Application Number	•		51803					
			nich the undersigned has (have) exected the conditions are set of the	cuted an applica	ation for patent in the United States of America	ca on			
(12)	Insert Date of Signing of (12) on December 13, 2011 Application								
(13)	Alternative	(13)	U.S. application Serial Number		13/379,535				
	Identification for filed applications	filed	- L 20 20						
application Assignee or provise reexaming from said herein as on him at	on or continuation or division in every way possible in obta 3) Each undersigned agrees ions of the International Conv 4) Each undersigned agrees ation a grant of a valid United 5) Each undersigned author application(s) to the said Assigned, and that he has not exide the said his heirs, successors, assign 6) Each undersigned hereby the necessary or desirable in o	thereofining evention is to execute to perform to perfo	or any patent or reissue application vidence and going forward with such ute all papers and documents and property or all affirmative acts which may be patent to the Assignee. It requests the Director of Patents to as Assignee of the entire interest, an and will not execute, any agreement egal representatives.	a based thereon, a interference. erform any act or similar agree to necessary to issue any and a d covenants that is in conflict he	erference which may be declared concerning a , for the invention, and to cooperate with the which may be necessary in connection with el- ements. obtain, maintain or confirm by reissue or all Letters Patents of the United States resulting the has full right to convey the entire interest rewith, and agrees that this assignment is bind insert on this assignment any further identificant and Trademark Office for recordation of this	laims g t ding			
		d by th	e undersigned on the date(s) oppo	site the unders	signed name(s).				
	(DD-MM-YYYY)								
Date	13 -/2 - 20,	′/	Inventor Signature	棄 松 Kentaroh NOF	夏太冽 (SEA	L)			
Date	13-12-2011	7	Inventor Signature	15-1	TSPSEHTA (SEA	L)			
Date 13 -/2 - 2011			Inventor Signature	山本 5 Hironori YAM	的 汽 (SEA	L)			
Date _			Inventor Signature		(SEA	L)			
Date Date Date Date			Y . C.		(SEA (SEA (SEA (SEA	L) L)			
			e signed before: (a) a Notary Public two witnesses who also sign here:	if within the U.	S.A. (b) a U.S. Consul if outside the U.S.A.	If			

Pa

13-12-2011 Witness

13-12-2011 Witness

RECORDED: 12/20/2011

PATENT

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