505018151 07/24/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date			
YUKIE YAMAMOTO	04/02/2018			
NOBUKAZU AKAIKE	04/25/2018			
EIJI YAGISHITA	03/29/2018			
KATSUYUKI TAKEUCHI	03/29/2018			

RECEIVING PARTY DATA

Name:	TERUMO KABUSHIKI KAISHA		
Street Address: 44-1, 2-CHOME, HATAGAYA			
City: SHIBUYA-KU, TOKYO			
State/Country: JAPAN			
Postal Code: 151-0072			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29643759

CORRESPONDENCE DATA

Fax Number: (202)824-3001

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (202) 824-3000

Email: bwptopat@bannerwitcoff.com, rblackwell@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	046777.00220
NAME OF SUBMITTER:	ROBERT S. KATZ
SIGNATURE:	/Robert S. Katz/
DATE SIGNED:	07/24/2018

Total Attachments: 2

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ASSIGNMENT

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		(1)	Yukie Y	AIVIAIV	IOI	<u> </u>			(;	5) _								
(1-8)	Insert Name(s)	(2)	Nobuka	zu AK	AIK	E			(6	6)	******		********	*****	********	*******	**********	*********
	of Inventor(s)	(3)	Eiji YAG	ISHIT	A	******		*************	(7)					***********			***********
		(4)	Katsuyı	ıki TA	KEL	<u>ICHI</u>			((8)								
			In consider															
(9)	Insert Name of Assignee	(9)	TERUM	O KA	BUS	SHIK	I K	AISH	Α									
(10)	Insert Address of Assignee	(10)	44-1, 2-	chome	e, H	atag	aya	, Shik	ouya-	-ku,	Tok	yo, 1	51-0	07:	2, Japa	ın		
	·		(hereinafter as defined i provisional, Patent, exter	n 35 U. non-prov	S.C. (dsiona	§100, al, divi	in th isiona	e inver il, conti	ntion, a inuatior	ind ir n, sut	n all a ostitul	applica e, and	tions f reissu	or p	atent incl	udinç (s), a	g any : ind all	and all Letters
(11)	Insert Identification	(11)	Medica	al Syrii	nge													
	of Invention such as Title, Case							************			******				,			
	Number, or Foreign Application Numbe		(Attorney D	ocket No),													
			for which the	undersi	gned	has (h												rica
(12)	Insert Date of Signing of Application	(12)	on N	larch	29	, 20	18		Apr	il	2,	201	8		April	25	, 20)18
(13)	Alternative	(13)	U.S. applica	ition Seri	ai Nu	mber		29/6	43,7	759								
	Identification for filed applications		filed	April	. 11	, 2	018											
applicat any app Assigne claims c reexami States r full right herewith	6) The undersigned nay be necessary or de	ventice Assistance or diversity of the control of t	on, and any p gnees may de si(s) to execute vision thereof, to account and Convention e(s) to performed States pate by authorize(s) n(s) to the sa- therein assign by grant(s) the le in order to	atent(s) eem neor e all pap or any p noe and e all pap on for Pro m all aff en to the) and rec id Assign ned, and firm of E comply v	Issuir essan ers ne atent going ers a otectic imnati e Assi quest (nee, a that it sanne with the	ig ther y. eccessior reis or reis if forward and door or of Ir ve act ignee. is) the is Assine has er & We ne rule	reon, any in assue a ard wi cume ndustr ts wh Com ignee a (they is of t	and all conne application such the such that the	so to extion witten base interfed performance of Pe	with an sed the rencomman armineces Patenti ecutes Patenti tes Patenti tes Patenti tes Patenti tes Patenti ecutes Patenti tes	te se ny int nereo e. ny ac- ilar ac sary ts to i est, ar ed, an o insee	parate erferer n, for t t which greeme to obte ssue a nd hen d will r rt on tr and T	assignate assign	ich ri ich ri ich ri be n be n isintal l all L vena cute gnm ark (nay be don, and to one ecessary in or con etters Parints that he, any agreement any fit.	eclare coop- in co firm atents ae ha eeme	ion wit ed concerate v onnection by reis of the s (they ents in a	the such cerning with the con with casue or United a have) conflict fication
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Date	April 2,	201		Name	of In	vente	or _	Yul	.∤⊂`≀⊄ kie Y≀	AM/	Y A AMC	MA DTO	M0 	TC	<u> </u>	(SEAL)	
	April 25,																SEAL)	
Date	Match 29.	20/	8	Name	of In	iventi	or _	Eiji i	YA YAGI	G1 ISHI	SH TA	17/	ļ			(SEAL)	
Data				Mama	at In	want	or									1	SEALY	

PATENT REEL: 046445 FRAME: 0724

Katsuyuki TAKEUCHI

ASSIGNMENT

		(1)	Yukie YAMAMOTO	(5)						
(1-8)	Insert	(2)	Nobukazu AKAIKE	(6)						
	Name(s) of Inventor(s)	(3)	Eiji YAGISHITA	(7)						
		(4)	Katsuyuki TAKEUCHI	(8)						
		` '	In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations							
(9)	Insert Name of			assign, and hereby does assign, transfer and set over to						
	Assignee	(9)	TERUMO KABUSHIKI KAISHA							
(10)	Insert Address of Assignee	(10)	44-1, 2-chome, Hatagaya, Shibu	ya-ku, Tokyo, 151-0072, Japan						
			as defined in 35 U.S.C. §100, in the inventio provisional, non-provisional, divisional, continui	ntire right, title and interest for the United States of America n, and in all applications for patent including any and all ation, substitute, and reissue application(s), and all Letters certificates that may be granted on the invention known as						
(11)	Insert Identification	(11)	Medical Syringe							
	of Invention such as Title, Case									
	Number, or Foreign Application Numbe		(Attorney Docket No.							
			•	an application for patent in the United States of America						
(12)	Insert Date of Signing of Application	(12)	on 29/03/20/8							
(13)	Alternative	(13)	U.S. application Serial Number 29/643	pplication Serial Number 29/643,759						
	Identification for filed applications		filed April 11, 2018							
application any application any application and applications or reexamined and applications of the application and applications of the application	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 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 Banner & Witcoff, LTD 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		*******	Name of Inventor Yukis	YAMAMOTO (SEAL)						
Date	***************************************	add naman	Name of Inventor Nobu	kazu AKAIKE (SEAL)						
Date		*******	Name of InventorEijI YA	GISHITA (SEAL)						
Date	29/03/) o	Name of Inventor A Jakeu Inventor (SEAL) Katsuyuki TAKEUCHI							

PATENT REEL: 046445 FRAME: 0725

RECORDED: 07/24/2018