PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ryoji KOBAYASHI	12/03/2009
Hidenori TANABE	12/03/2009
Kazuhiro HASHIMOTO	12/03/2009
Takato MURASHITA	12/03/2009

RECEIVING PARTY DATA

Name:	TERUMO KABUSHIKI KAISHA		
Street Address:	lress: 44-1, Hatagaya 2-chome		
City:	Shibuya-ku, Tokyo		
State/Country:	State/Country: JAPAN		
Postal Code: 151-0072			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12664016

CORRESPONDENCE DATA

Fax Number: (703)836-7419

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7038366620

Email: albina.torres-price@bipc.com

Correspondent Name: Buchanan Ingersoll & Rooney PC

Address Line 1: P. O. Box 1404

Address Line 4: Alexandria, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER: 1034509-000028

NAME OF SUBMITTER: Matthew L. Schneider

Total Attachments: 2

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PATENT REEL: 023636 FRAME: 0908 OF \$40.00 12664016

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PATENT REEL: 023636 FRAME: 0909

ASSIGNMENT

(SOLE)

Makackoma-gun, Yamanashi-ken, Japan Mereinarter referred to as "the Assignor"), respectively, witnesseth: WHEREAS, the Assignor has invented certain new and useful improvements in METHOD OF PRODUCTING INDIRELLING NECULE ASSEMBLY set forth in an application for Letters Patent of the United States, which is a (1)	THIS A Nakakoma-oun.	SSIC Yam	anashi	NT, by <u>Ryoji KOBAYAŞHI</u> residing at -ken, Japan, H <u>idenori TANABE</u> residing at	
Makakona-cun, Yamanashi-ken, Japan and by Takketo MURASHITA residing at Mokakona-cun, Yamanashi-ken, Japan (hereinafter referred to as "the Assignor"), respectively, witnesseth: WHEREAS, the Assignor has invented certain new and useful improvements in METHOD OF PRODUCTING INDIRECLIVIC NEEDLE ASSEMBLY AND TANDIRECLING NEEDLE ASSEMBLY set forth in an application for Letters Patient of the United States, which is a (1) provisional application (a) bearing Application no, and filed on (b) to be filed herewith; or (2) non-provisional application (a) bearing Application no, and filed on (c) having an oath or declaration executed on even date herewith prior to filing of application; (b) having an oath or declaration executed on even date herewith prior to filing of application; (c) having an oath or declaration executed on a different date than this Assignment, and wHEREAS, TERUMO KABUSHIKI KAISHA, a corporation duly organized under and pursuant to the laws of _JAPAN, and having a principal place of business at 44-1, Hatagaya 2-chome, Shithwa-ku, Tokyo 151-0972, JAPAN, thereinafter referred to as the Assigned; is desirous of acquiring the entire right, title, and interest in and to say applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said applications and the entire right, title and interest in and to say applications, including provisional applications and the entire right, title and interest in and to say applications, including provisional applications and the entire right, title and interest in and to say applications, including provisional applications and the entire right, title and interest in and to any applications including provisional applications on said inventions and the entire right, title and interest in and to have provided the reference of the research of the United States or other countries claiming priority to said applications on said inv					
Metablome-gum, Yamanshi-ken. Japan					
WHEREAS, the Assignor has invented certain new and useful improvements in METHOD OF PRODUCTINE INDMITLLING NEEDLE ASSEMBLY AND INDMITLLING NEEDLE ASSEMBLY set forth in an application for Letters Patent of the United States, which is a (1)	Nakakoma-gun,				
set forth in an application for Letters Patent of the United States, which is a (1)	witnesseth:				
set forth in an application for Letters Patent of the United States, which is a (1)	WHEREAS, the	e Ass	ignor	has invented certain new and useful improvements in	
(1) provisional application (a) bearing Application No, and filed on; (b) to be filed herewith; or (2) non-provisional application (a) bearing Application No, and filed on; (b) Anving an oath or declaration executed on even date herewith prior to filling of application; (c) having an oath or declaration executed on even date herewith prior to filling of application; (d) having an oath or declaration executed on a different date than this Assignment; and WHEREAS, TERIUMO KABUSHIKI KAISHA, a corporation duly organized under and pursuant to the laws of JAPAN and having a principal place of business at 44-1, Hatsiagava 2-chome, Shibiyas-ku, Tokyo 151-0072, JAPAN (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said Inventions, the right to file applications on said inventions and the entire right, title and Interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon. NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all right	METHOD OF PI	RÓDUC	ING I	JOWELLING NEEDLE ASSEMBLY AND INDWELLING NEEDLE ASSEMBLY	
(a) bearing Application No, and filed on; (b)	set forth in an a	applic	ation	for Letters Patent of the United States, which is a	
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(2)		(a)		bearing Application No, and filed on;	
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WHEREAS, TERUMO KABUSHIKI KAISHA, a corporation duly organized under and pursuant to the laws of JAPAN and having a principal place of business at 44-1, Hatagaya 2-chome, Shibuya-ku, Tokyo 151-0072, JAPAN (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon. NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and e		(p)	x		
pursuant to the laws of JAPAN, and having a principal place of business at 44-1, Hatagaya 2-chome, Shibuya-ku, Tokyo 151-0072, JAPAN (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon. NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made; AND		(c)			
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Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth; (7/06)	acknowledged does sell, assigns the en applications or Letters Patent and all Letters granted therefo applications, dextensions of s Protection of Ir and behoof an end of the term the same woul made;	the gn, treatire rite said of the Pate or and ivision said the first the first the first term or to describe the first term or the first t	Assig ansferight, tild inverse Unit of the of the o	nor has sold, assigned, transferred, and set over, and by these presents, and set over, unto the Assignee, its successors, legal representatives, and the and interest in and to the above-mentioned inventions, the right to file at tions and the entire right, title and interest in and to any applications for and States or other countries claiming priority to said applications, and any eatents of the United States of America and all foreign countries that may be son, and in and to any and all applications claiming priority to said intinuations, and continuations-in-part of said applications, and reissues and an Patent or Patents, and all rights under the International Convention for the operty, the same to be held and enjoyed by the Assignee, for its own use and behoof of its successors, legal representatives, and assigns, to the full or which Letters Patent or Patents may be granted as fully and entirely as an held and enjoyed by the Assignor had this sale and assignment not been	
(7/06)	Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein				
	set forth;			(7/06) Page1 of 2	

PATENT REEL: 023636 FRAME: 0910

Application No	
Attorney Docket No.	1034509-000028

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE_	December 3, 2009	Ryafi Lobayashi Byoji KOBAYASHI
DATE_	December 3, 2009	Hidenori Tanabe Hidenori TANABE
DATE_	December 3, 2009	Kazuhiro Hashimoto Kazuhiro HASHIMOTO
DATE_	December 3, 2009	Annachite Takat

RECORDED: 12/10/2009

Page2 of 2