

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4259359

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKUYA KAKIMOTO	01/16/2017
SHINYA SAWADA	01/16/2017
KOJI YABE	01/16/2017
MASUMI TAKANO	01/16/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15423727
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<b>ATTORNEY DOCKET NUMBER:</b>	7794-20
<b>NAME OF SUBMITTER:</b>	TADD F. WILSON
<b>SIGNATURE:</b>	/Tadd F. Wilson/
<b>DATE SIGNED:</b>	02/03/2017
<b>Total Attachments: 2</b>	

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**Worldwide Assignment**

WHEREAS, I/We, Takuya Kakimoto, Shinya Sawada, Koji Yabe, and Masumi Takano have made an invention entitled "**TREATMENT METHOD AND MEDICAL DEVICE**" for which I/We have filed an application for Letters Patent of the United States on **February 3, 2017**, under Application No. **15/423,727** and

WHEREAS, **TERUMO KABUSHIKI KAISHA** ("ASSIGNEE"), a corporation or other business entity duly registered in the State/Country of Japan, whose postal address is 44-1, Hatagaya, 2-chome, Shibuya-ku, Tokyo, 151-0072, Japan, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and conveyed, and do hereby sell, assign, transfer, and convey unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States, Canada and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; and I/We authorize and request the Director of Patents and Trademarks to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I/We further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and filing Date into this Assignment, if none is indicated on that date of my/our execution of this agreement.

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

Signature: Takuya Kakimoto  
Date: 01/16/2017  
Full Name: Takuya Kakimoto  
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Date: 01/16/2017  
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Signature: Kouji Yabe  
Date: 01/16/2017  
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Signature: Masumi Takano  
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