505385228 03/20/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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Yuki KAWAGUCHI	12/20/2018
Yusuke TAKEI	02/15/2019
Ojiro KITAMURA	12/21/2018
Akinori KOBAYASHI	12/21/2018
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RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16227269

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SIGNATURE:	/Varsha Ravichandran/
DATE SIGNED:	03/20/2019

PAIENI REEL: 048652 FRAME: 0200 505385228

Total Attachments: 2

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> PATENT REEL: 048652 FRAME: 0201

ASSIGNMENT

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

TREATMENT INSTRUMENT

have sold and assigned and do hereby sell and assign to

OLYMPUS CORPORATION

a Japanese corporation, having a business address at 2951 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8507, Japan;

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[]	executed concurrently herewith		
,	[]	executed on	;	
	[X]	Application No. 16/227,269	, filed December 20, 2018;	

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

Oliff PLC, 277 South Washington Street Suite 500 Alexandria, Virginia 22314

PATENT REEL: 048652 FRAME: 0202

ASSIGNMENT

16P00635 US 00 (16F0144P1)

Inventor: (Signature)	Date	Residence
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PATENT REEL: 048652 FRAME: 0203

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