

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN MOHR	01/03/2019
KAZUMASA ARAKITA	01/07/2019
JAMES MATTHEWS	01/07/2019
CANON MEDICAL RESEARCH EUROPE, LTD.	01/08/2019
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	OTAWARA-SHI, TOCHIGI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	324-8550
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16161134
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	ANDREW TRUMPLER
<b>SIGNATURE:</b>	/Andrew Trumpler/
<b>DATE SIGNED:</b>	02/06/2019
<b>Total Attachments: 4</b>	
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**-A S S I G N M E N T****ACKNOWLEDGEMENT by an Employee of the Right to apply for a Patent and AN ASSIGNMENT BETWEEN**

**Brian Mohr** of c/o Canon Medical Research Europe, Ltd., Bonnington Bond, 2 Anderson Place, Edinburgh EH6 5NP, United Kingdom, a national of United State of America ;

**Kazumasa Arakita** of c/o Intellectual Property Division, Canon Medical Systems Corporation, 1385, Shimoishigami, Otawara-shi, Tochigi 324-8550, Japan, a national of Japan;

**James Matthews** of c/o Canon Medical Research Europe, Ltd., Bonnington Bond, 2 Anderson Place, Edinburgh EH6 5NP, United Kingdom, a national of United Kingdom;

(hereinafter referred to as "Inventors");

**Canon Medical Research Europe, Ltd.**, of  
BONNINGTON BOND 2, ANDERSON PLACE, EDINBURGH EH6 5NP, UNITED KINGDOM,  
a corporation organised under the laws of Scotland under Company No. SC341779

(hereinafter referred to as "the Employer Company");

**Canon Medical Systems Corporation**, a Japanese corporation, having a business address at  
1385, Shimoishigami, Otawara-shi, Tochigi 324-8550, Japan

(hereinafter referred to as "Assignees").

**WHEREAS :-**

(A) Each Inventor claims jointly with the other Inventors to have made the Invention described in the attached specification entitled:- "**Motion Estimation Method and Apparatus**" (Application No. 16/161,134 ; filed on October 16, 2018 ) (hereinafter referred to as "the Invention")

(B) The Invention has been made during the period of the Inventors' employment with the Employer Company in the course of their normal duties with the Employer Company, and by virtue of the terms of their employment with the Employer Company the Invention is to be taken as between the Employer Company and the Inventor to belong to the Employer Company; and

(C) The Employer Company agrees to assign its rights to the Invention, the right to apply for a patent or patents relating to the said Invention, together with all rights title and interest in and arising therefrom jointly to the Assignees.

**NOW THIS AGREEMENT WITNESSES as follows:-**

1. Each Inventor **HEREBY ACKNOWLEDGES** that his rights to the Invention and all rights therein including the right to apply for a patent or patents relating to the Invention belongs to the Employer Company, and pursuant thereto **HEREBY ASSIGNS TO AND CONFIRMS** the vesting in the Employer Company of:

(a) the whole of the property in the Invention throughout the world and any protection obtained at any time therefor and all rights title and interest which the Inventor may have or

have been entitled to therein including all rights to bring proceedings for infringement thereof together with the full and exclusive benefit thereof; and

(b) the entire right, title and interest in and to the invention 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 both in the United States of America and throughout the world.

2. In pursuance of the agreement referred to in Recital (C) and IN CONSIDERATION of the sum of FIVE US DOLLARS, receipt of which is hereby confirmed, the Employer Company hereby assigns to the Assignees all its rights in the Invention including the right to apply for a patent or patents and to exploit the Invention or any patent or other protection obtained in respect thereof TO HOLD the same unto the Assignees absolutely.

3. Each Inventor hereby warrants to the Employer Company and to the Assignees:

(a) that he has not assigned or agreed to assign to any person firm or company or otherwise encumbered the Invention or any other part of the rights therein and thereto;

(b) that he has not disclosed and will not disclose the Invention to any person firm or company other than the Employer Company or the Assignees except as directed by the Employer Company or the Assignees;

(c) that he will give to the Employer Company or the Assignees all information in his possession or in his power relating to the Invention and the method of employing or using the same as the Employer Company or the Assignees shall require;

(d) that he knows of no reason why a valid patent or valid patents relating to the Invention should not be granted either to himself or to his successors in title; and

(e) that on request and without further consideration, but at the expense of the Assignees, he will communicate to the Assignees or its representatives all facts known to him in respect of the 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 the Assignees to obtain and enforce proper patent protection for the invention including assisting the Assignees or their nominee to defend oppositions to grant thereof, to maintain the same when granted and to present and prosecute for the infringement thereof.

4. Each inventor hereby grants 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.

Oblon  
1940 Duke Street Alexandria, VA 22314

IN WITNESS thereof the parties have duly executed this document

ASSIGNMENT

**FIRST INVENTOR**

Residence Address: Edinburgh, United Kingdom

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Name: Brian Mohr

3/1/19  
Date:

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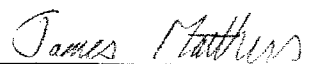
Name: Kazumasa Arakita

Date:

**THIRD INVENTOR**

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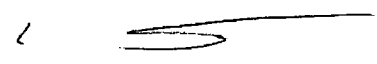
  
Name: James Matthews

7/1/2019  
Date:

**Canon Medical Research Europe, Ltd., (EMPLOYER COMPANY)**

Address: Bonnington Bond, 2 Anderson Place, Edinburgh EH6 5NP, United Kingdom

Nationality: United Kingdom

  
Name of Signatory: Ken Sutherland  
Capacity of Signatory: Director

8/1/19  
Date:

## ASSIGNMENT

### FIRST INVENTOR

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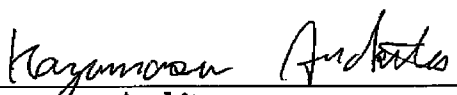
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Date:

*Jan. 7, 2019*

### THIRD INVENTOR

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Name: **James Matthews**

Date:

**Canon Medical Research Europe, Ltd., (EMPLOYER COMPANY)**

Address: Bonnington Bond, 2 Anderson Place, Edinburgh EH6 5NP, United Kingdom

Nationality: United Kingdom

Name of Signatory:

Capacity of Signatory:

Date: