

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TSUYOSHI MASUDA	08/06/2020
KENT VOLOSIN	08/17/2020
RECEIVING PARTY DATA	
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City:	CHELMSFORD
State/Country:	MASSACHUSETTS
Postal Code:	01824
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16938244
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<i>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.</i>	
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ATTORNEY DOCKET NUMBER:	P50368US00
NAME OF SUBMITTER:	NATALIE J. GRACE
SIGNATURE:	/Natalie J. Grace/
DATE SIGNED:	10/06/2020
Total Attachments: 4	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Tsuyoshi Masuda of Pittsburgh, PA and Kent Volosin of Mars, PA, each individually assign to ZOLL MEDICAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 269 Mill Road, Chelmsford, MA 01824, and its successors, transferees, and assigns (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the patent application titled "SYSTEMS AND METHODS FOR GENERATING AND APPLYING MATRIX IMAGES TO MONITOR CARDIAC DISEASE," filed in the United States Patent and Trademark Office on July 24, 2020, as application 16/938,244 (the "Application"), including without limitation: (a) the subject matter of the Application (the "Subject Matter"); (b) the Application and all other applications that may be made for, and all patents, utility models, design registrations, creative works, and other rights of exclusion and inventors' certificates for any of the Subject Matter, and all applications claiming the benefit of or priority to the Application (including without limitation divisionals, continuations, continuations-in-part, reexaminations, reissues, supplemental examinations, continued prosecution applications, post-grant reviews, *inter partes* reviews, renewals, and extensions), and all applications to which the Application claims priority or of which the Application claims the benefit (including without limitation provisional applications), in every country or region (collectively the "Applications and Granted Rights"); (c) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (d) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this

Assignment. We authorize the Assignee, its successors and assigns, and its representatives, to insert in or on this Assignment the filing date and application number of the Application or of any Applications and Granted Rights, including any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office or foreign equivalent thereof for recordation of this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

24 10 月 3
Tsuyoshi Masuda

Date: 8-6-20

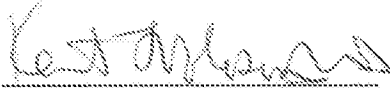
Witnessed by:

Signature: 藤沢 浩
Print Name: Wataru Fujisawa

Date: 8-6-20

Signature: Toshita Umeda
Print Name: TOSHITA UMEDA

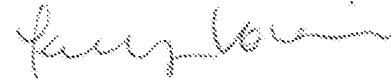
Date: 8-6-20



Kent Volosin

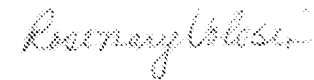
Date: 8/17/20

Witnessed by:

Signature: 

Date: 8/17/20

Print Name: Kelly Volosin

Signature: 

Date: 8/17/20

Print Name: Rosemary Volosin