

## 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>
HIRONORI WATANABE	12/03/2019
KAZUYA KOKUBO	12/03/2019
MUNEAKI IKUMA	12/03/2019
JUNPEI TANAKA	11/19/2019
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<b>City:</b>	HAMATSU-SHI, SHIZUOKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	4328521
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16627145
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	OONA R. FISHER CAMPBELL
<b>SIGNATURE:</b>	/Oona R. Fisher Campbell/
<b>DATE SIGNED:</b>	12/27/2019
<b>Total Attachments: 1</b>	
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### ASSIGNMENT

WHEREAS, I/we, the following named inventor(s):

1. Hironori WATANABE, residing in Shizuoka, Japan;
2. Kazuya KOKUBO, residing in Shizuoka, Japan;
3. Muneaki IKUMA, residing in Shizuoka, Japan; and
4. Junpei TANAKA, residing in Shizuoka, Japan;

have invented an invention entitled HEAT GENERATING APPARATUS  
for which I/we have executed an application for Letters Patent of the United States (check one):

- ( ) on the date I/we executed this assignment;  
(X) as U.S. Patent Application No. 16/627,145, filed December 27, 2019;  
( ) as International Application No. \_\_\_\_\_, filed \_\_\_\_\_;

I/we authorize the attorneys/agents authorized to act under Customer Number 145572 to insert the filing date and application number of said application when known.

WHEREAS, KURABE INDUSTRIAL CO., LTD. ("Assignee"), a Japanese organization, having its principal place of business at 4830 Takatsuka-cho, Minami-ku, Hamamatsu-shi, Shizuoka 4328521, Japan, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we, the above named inventor(s), have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto Assignee, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed.

I/We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to Assignees, as the assignees of my/our entire right, title and interest in and to the same, for the sole use of the Assignees, their successors and assigns.

Further, I/we agree that I/we will communicate to Assignees, or their representatives, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Assignees, make all rightful oaths and generally do everything possible to aid Assignees, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s) on the dates indicated below.

1. Inventor Name: Hironori WATANABE Signature: Hironori Watanabe Date: DEC. 3, 2019 H.W.  
2. Inventor Name: Kazuya KOKUBO Signature: Kazuya Kokubo Date: DEC. 3, 2019 K.K.  
3. Inventor Name: Muneaki IKUMA Signature: Muneaki Ikuma Date: DEC. 3, 2019  
4. Inventor Name: Junpei TANAKA Signature: Junpei Tanaka Date: Nov. 19, 2019