

## 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>
KOJI AMANO	10/23/2018
KATSUHITO SHIMIZU	10/26/2018
WATARU SASAKI	10/25/2018
HIROSHI SUZUKI	10/26/2018
YOSHIYUKI ICHIOKA	10/26/2018
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16300077
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<b>NAME OF SUBMITTER:</b>	SHRINATH MALUR
<b>SIGNATURE:</b>	/Shrinath Malur/
<b>DATE SIGNED:</b>	11/09/2018
<b>Total Attachments: 1</b>	



ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, JAPAN receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

OPERATION MANAGEMENT DEVICE, OPERATION MANAGEMENT METHOD, AND OPERATION MANAGEMENT SYSTEM

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	DATE SIGNED (署名日)
1) <u>Koji AMANO</u> Koji AMANO	<u>October 23, 2018</u>
2) <del>Katsuhito Shimizu</del> <sup>K.S.</sup> <u>Katsuhito Shimizu</u> <sup>K.S.</sup> Katsuhito SHIMIZU	<u>October 26, 2018</u>
3) <u>Wataru Sasaki</u> Wataru SASAKI	<u>October 25, 2018</u>
4) <u>Hiroshi Suzuki</u> Hiroshi SUZUKI	<u>October 26, 2018</u>
5) <u>Yoshiyuki Ichioka</u> Yoshiyuki ICHIOKA	<u>October 26, 2018</u>
6) _____	_____
7) _____	_____
8) _____	_____