

## 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>
KABUSHIKI KAISHA TOSHIBA	05/25/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA MATERIALS CO., LTD.
<b>Street Address:</b>	8, SHINSUGITA-CHO, ISOGO-KU
<b>City:</b>	YOKOHAMA-SHI, KANAGAWA PREFECTURE
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	235-8522
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15833176
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	762_010
<b>NAME OF SUBMITTER:</b>	NICOLE R. PRUETT
<b>SIGNATURE:</b>	/Nicole R. Pruett/
<b>DATE SIGNED:</b>	05/26/2021
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

**Whereas, KABUSHIKI KAISHA TOSHIBA** ("Assignor"), a corporation organized and existing under the laws of Japan and residing at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, is a joint owner of U.S. Application No. 15/833,176, filed December 6, 2017, by virtue of an Assignment from the inventors recorded in the U.S. PTO on December 6, 2017, at Reel 044314, Frames 0186-0189;

**Whereas, TOSHIBA MATERIALS CO., LTD.** ("Assignee"), a corporation organized and existing under the laws of Japan and residing at 8, Shinsugita-cho, Isogo-ku, Tokohama-shi, Kanagawa, is desirous of acquiring the entire right, title and interest in, to and under 15/833,176 and any and all letters patents that may be obtained by the Assignee through any continuations, divisions, or continuations-in-part, as well as any letters patent that may result from any reissues or re-examinations thereof, and all other rights in the United States to the inventions covered thereby;

**Now, therefore,** for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged by both parties, Assignor hereby sells, assigns and transfers to the Assignee the entire right, title and interest in and to 15/833,176, and any and all letters patents that may be obtained by the Assignee therefrom or through any continuations, divisions, renewals, or substitutes thereof, as well as any letters patent that may result from any reissues or re-examinations thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to 15/833,176 and the invention disclosed and

claimed therein as may be known and accessible to Assignor and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce any letters patent that may result from 15/833,176 which may be necessary or desirable to carry out the purposes thereof.

Date: May 25, 2021By: /SHIMOGAWARA Ikuko/  
Signature of Assignor's RepresentativeName: SHIMOGAWARA IkukoTitle: General Manager, Intellectual Property Division