

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5479238

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUUSUKE NOSAKA	04/08/2019
KOUJI WATANABE	04/08/2019
TOMONORI TSUHATA	04/08/2019
SHINGO AKITA	04/09/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA MEMORY CORPORATION
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME, MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16386813
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)413-2220
<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>	
<b>Phone:</b>	(703) 413-3000
<b>Email:</b>	rwiersma@oblom.com
<b>Correspondent Name:</b>	OBLON, ET AL.
<b>Address Line 1:</b>	1940 DUKE STREET
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	522009US
<b>NAME OF SUBMITTER:</b>	RJ WIERSMA
<b>SIGNATURE:</b>	/RJ WIERSMA/
<b>DATE SIGNED:</b>	04/17/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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<b>SUPPLEMENTAL SHEET FOR DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b>
	Supplemental Sheet (for PTO/AIA/08,09) <span style="float: right;">Page 2 of 2</span>

<b>Legal Name of Additional Joint Inventor, if any</b>	
(2) <b>Kouji Watanabe</b>	
Inventor's Signature <i>Kouji Watanabe</i>	April 8, 2019 Date (Optional)
<b>Legal Name of Additional Joint Inventor, if any</b>	
(3) <b>Tomonori Tshata</b>	
Inventor's Signature <i>Tomonori Tshata</i>	April 8, 2019 Date (Optional)
<b>Legal Name of Additional Joint Inventor, if any</b>	
(4) <b>Shingo Akita</b>	
Inventor's Signature <i>Shingo Akita</i>	April 9, 2019 Date (Optional)