PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5796142

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
GUSEUL BAEK	10/01/2019

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA		
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Postal Code:	105-0023		
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16561850	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	1242236-0913-378 US	
NAME OF SUBMITTER:	DAVID M. TENNANT	
SIGNATURE:	/David M. Tennant/	
DATE SIGNED:	10/30/2019	

Total Attachments: 1

PATENT REEL: 050867 FRAME: 0196

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PATENT REEL: 050867 FRAME: 0197

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

KABUSHIKI KAISHA TOSHIBA

RECORDED: 10/30/2019

1-1, Shibaura 1-chome, Min	ato-ku, Tokyo, 105-	0023, Japan	
TOSHIBA ELECTRONIC I	DEVICES & STOR	AGE CORPORATION	
1-1, Shibaura 1-chome, Min	ato-ku, Tokyo, 105-	-0023, Japan	
(hereinafter, "ASSIGNEE"), the receipt ASSIGNEE the entire and exclusive reactive of Invention)			GNOR hereby sells, assigns and transfers to
SEMICONDUCTOR STORA	GE DEVICE		
relating to International Patent Applic even date herewith or, if not so execut		for which application for Letters Pa	atent of the United States was executed on
(a) executed on	;	(Insert date of execution of ap	plication, if not concurrent)
(b) filed on <u>September 5, 2019</u> Serial No. <u>16/561,850</u> ;	<u>.</u>	Assignee's attorney is here data, when known.	thy authorized to insert in (b) the specified
including any extensions thereof (coll The ASSIGNOR agree(s), when re- which the ASSIGNEE may deem neo- including in the preparation and prose reexamination, or public use proceeding	plication based thereon, the ectively, hereinafter, "said assign, expenses of the expenses of	for the full term or terms for which id application(s) and Letters Patents IEE and without charge to but at the lient, for securing, maintaining and a lotters and the issuance of said Letters of the legal proceeding which may	the said Letters Patent(s) may be granted an
IN WITNESS WHEREOF, the unc	lersigned inventor(s) has	(have) affixed his/her/their signatu	rre(s).
1) Janeal Back (Signature)	Magazer .	Guscul BAEK	Ool. 1, 2019 (Date)
(Signature)		(Type Name)	(Date)
2)(Signature)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Type Name)	(Date)
3)(Signature)		(Type Name)	(Date)
4)(Signature)		(Type Name)	(Date)
5)(Signature)		(Type Name)	(Date)
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PATENT REEL: 050867 FRAME: 0198