

## 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	08/26/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA DIGITAL SOLUTIONS CORPORATION
<b>Street Address:</b>	72-34, HORIKAWA-CHO
<b>Internal Address:</b>	SAIWAI-KU
<b>City:</b>	KAWASAKI-SHI, KANAGAWA
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13968482
<b>Application Number:</b>	14795080
<b>Application Number:</b>	15256220
<b>Application Number:</b>	15427505
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<b>ATTORNEY DOCKET NUMBER:</b>	KATOSH.000GEN
<b>NAME OF SUBMITTER:</b>	DAMIEN J. HOWARD
<b>SIGNATURE:</b>	/Damien J. Howard/
<b>DATE SIGNED:</b>	10/09/2019
<b>Total Attachments: 3</b>	
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### ASSIGNMENT

WHEREAS, **KABUSHIKI KAISHA TOSHIBA** (hereinafter "ASSIGNOR"), a Japan corporation having offices at 1-1, Shibaura 1-chome, Minato-Ku, Tokyo, Japan is the owner of the entire right, title, and interest to certain new and useful improvements described in the following United States Patent Applications and Patents (hereinafter "Patent Assets"):

Application No.	Patent No.	Filing Date	Title
13/968,482	9,905,219	Aug. 16, 2013	SPEECH SYNTHESIS APPARATUS, METHOD, AND COMPUTER-READABLE MEDIUM THAT GENERATES SYNTHESIZED SPEECH HAVING PROSODIC FEATURE
14/795,080	10,347,237	Jul. 9, 2015	SPEECH SYNTHESIS DICTIONARY CREATION DEVICE, SPEECH SYNTHESIZER, SPEECH SYNTHESIS DICTIONARY CREATION METHOD, AND COMPUTER PROGRAM PRODUCT
15/256,220		Sep. 2, 2016	VOICE SYNTHESIZING DEVICE, VOICE SYNTHESIZING METHOD, AND COMPUTER PROGRAM PRODUCT
15/427,505		Feb. 8, 2017	VOICE QUALITY PREFERENCE LEARNING DEVICE, VOICE QUALITY PREFERENCE LEARNING METHOD, AND COMPUTER PROGRAM PRODUCT

WHEREAS, **Toshiba Digital Solutions Corporation** (hereinafter "ASSIGNEE"), a Japan corporation having offices at 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan desires to acquire fifty percent (50%) of the ASSIGNOR's entire right, title, and interest in said improvements and the Patent Assets, such that ASSIGNEE will become equal joint owner with ASSIGNOR in the said improvements and Patent Assets;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, fifty percent (50%) of ASSIGNOR's entire portion of the right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent Assets and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patent Assets in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Assets to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns fifty percent (50%) of ASSIGNOR's entire portion of all claims for damages and remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Assets immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patent Assets, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents in all countries.

**Assignor (Conveying Party)**

KABUSHIKI KAISHA TOSHIBA,  
1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan

By: *Ikuko Shimogawara*

Name: Ikuko SHIMOGAWARA

Title: General Manager, Intellectual Property Division

Date: *August 26, 2019*

Witnessed By: \_\_\_\_\_

Witness Name: \_\_\_\_\_

**Assignee (Receiving Party)**

Toshiba Digital Solutions Corporation,  
72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan

By: *Kaori Kitami*

Name: Kaori KITAMI

Title: Group Manager, Intellectual Property Group

Date: *August 19, 2019*

Witnessed By: \_\_\_\_\_

Witness Name: \_\_\_\_\_