505483580 05/20/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOSHIBA RESEARCH EUROPE LIMITED	03/27/2019

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15653158

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DATE SIGNED:	05/20/2019

Total Attachments: 2

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PATENT 505483580 REEL: 049222 FRAME: 0740

ASSIGNMENT

WHEREAS, TOSHIBA RESEARCH EUROPE LIMITED of Cambridge Research Laboratory, 208 Cambridge Science Park, Milton Road, Cambridge, CB4 0GZ, United Kingdom, a corporation organized and existing under the laws of the Country of United Kingdom, is the exclusive owner, by assignment, of the following application for Letters Patent of the United States of America:

APPLICATION NUMBER FILING DATE

15/653,158 July 18, 2017

WHEREAS, KABUSHIKI KAISHA TOSHIBA of 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said application for Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, TOSHIBA RESEARCH EUROPE LIMITED by these presents do sell, assign, and transfer unto ASSIGNEE its entire right, title, and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and/or applications for letters patent, the inventions described therein, any and all divisions, continuations, reissues, substitutions and renewals thereof, and to any and all letters patent which have granted or may be granted therefor, said inventions and letters patent to be held and enjoyed by the ASSIGNEE, and for the use and benefit of said ASSIGNEE, and for the use and benefit of their successors, assigns or other legal

PATENT REEL: 049222 FRAME: 0741 2

representatives, to the full end of the term for which said letters patent have been granted or reissues may be granted, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by TOSHIBA RESEARCH EUROPE LIMITED had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, TOSHIBA RESEARCH EUROPE LIMITED has caused these presents to be signed by its officer thereunto duly authorized.

TOSHIBA RESEARCH EUROPE LIMITED

Date: 27/3/2019

By: Tataya Puha

Name: Tatsuya Izuha

Title: Deputy Managing Dirator

PATENT REEL: 049222 FRAME: 0742

RECORDED: 05/20/2019