PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOYOTA JIDOSHA KABUSHIKI KAISHA	12/29/2019

RECEIVING PARTY DATA

Name:	DENSO CORPORATION
Street Address:	1-1, SHOWA-CHO, KARIYA-CITY
City:	AICHI-PREF
State/Country:	JAPAN
Postal Code:	448-8661

PROPERTY NUMBERS Total: 16

Property Type	Number
Patent Number:	10425004
Patent Number:	10600782
Patent Number:	10081354
Patent Number:	9130489
Patent Number:	10044299
Patent Number:	9761471
Patent Number:	9761470
Patent Number:	9013047
Patent Number:	9437520
Patent Number:	9326409
Patent Number:	9112024
Patent Number:	9990457
Patent Number:	9812446
Patent Number:	9584117
Application Number:	16236678
Application Number:	16290132

CORRESPONDENCE DATA

(703)413-2220 Fax Number:

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.

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PATENT

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NAME OF SUBMITTER: ELLEN MURABITO

SIGNATURE: /ELLEN MURABITO/

DATE SIGNED: 04/01/2020

Total Attachments: 3

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ASSIGNMENT

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, a corporation organized and existing under the laws of the Country of Japan, is the exclusive owner, by assignment, of the U.S. applications as show on the attached Schedule A;

WHEREAS, DENSO CORPORATION of 1-1, Showa-cho, Kariya-city,
Aichi-pref, 448-8661 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 U.S. applications;

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, TOYOTA JIDOSHA KABUSHIKI KAISHA 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 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 TOYOTA JIDOSHA KABUSHIKI KAISHA had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, TOYOTA JIDOSHA KABUSHIKI KAISHA

has caused these presents to be signed by its officer thereunto duly authorized.

TOYOTA JIDOSHA KABUSHIKI KAISHA

Date: 1/05. 29. 2015

By: // Name: Kefiji KAWAGØE
Title: General Manager
IP Promotion Dept.
Intellectual Property Div.

SCHEDULE A

Application No.	Patent No.	Filing/Issue Date
US16/267440	10,425,004	September 24, 2019
US16/236678		December 31, 2018
US16/237764	10,600,782	March 24, 2020
US16/290132		March 1, 2019
US15/102222	10,081,354	September 25, 2018
US14/130395	9,130,489	September 8, 2015
US15/820554	10,044,299	August 7, 2018
US14/738122	9,761,471	September 12, 2017
US14/699235	9,761,470	September 12, 2017
US14/056148	9,013,047	April 21, 2015
US14/774444	9,437,520	September 6, 2016
US14/398793	9,326,409	April 26, 2016
US14/111704	9,112,024	August 18, 2015
US14/993756	9,990,457	June 5, 2018
US15/085534	9,812,446	November 7, 2017
US15/075930	9,584,117	February 28, 2017

RECORDED: 04/01/2020