505399243 03/28/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5446037

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Yoshihiro OE | 02/18/2019 |
| Hirofumi KAMIMARU | 02/18/2019 |

RECEIVING PARTY DATA

| Name: | TOYOTA JIDOSHA KABUSHIKI KAISHA | |
|-----------------------------|---------------------------------|--|
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| City: Toyota-shi, Aichi-ken | | |
| State/Country: Japan | | |
| Postal Code: | 471-8571 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 16367861 | | |

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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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| ATTORNEY DOCKET NUMBER: | 184724 |
|--|-------------------|
| NAME OF SUBMITTER: | KEIVONA D. GRAY |
| SIGNATURE: | /KeiVona D. Gray/ |
| DATE SIGNED: | 03/28/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 2

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> PATENT REEL: 049243 FRAME: 0066

505399243

Attorney Docket No.: 184724 Client Ref.: TSN201801246US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

| | Title of Invention | DRIVING ASSISTANCE DEVICE FOR VEHICLE, NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM, AND CONTROL METHOD | |
|---|----------------------------------|--|--|
| As the below named inventor, I hereby declare that: | | | |
| | This declaration is directed to: | on | |
| United States application or PCT international application number filed on | | | |
| | The above-ide | entified application was made or authorized to be made by me. | |
| | I believe that | am the original inventor or an original joint inventor of a claimed invention in the application, | |
| | I have reviewe | ed and understand the contents of the application for which this assignment with declaration is being submitted. | |
| | I am aware of | the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56. | |
| | I hereby acknown not more than | owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both. | |
| | WHEREAS, | TOYOTA JIDOSHA KABUSHIKI KAISHA , with offices at -cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as ASSIGNEE), is desirous of | |
| | 1, Toyota | -cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as ASSIGNEE), is desirous of | |
| acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent legal protection which may be granted therefor in the United States and in any and all foreign countries; | | nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar | |
| NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, at legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations the in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, an any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of pat United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto; | | nereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and tatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to ority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America or any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters | |
| | designee, as a remuneration, | agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of tes and countries foreign thereto; | |
| | application for | agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any renewal or reissues of any Letters nay be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense; | |
| And I further agree that ASSIGNEE will, upon its request, be provided promp application, said invention and said Letters Patent and legal equivalents in foreign testify as to the same in any interference or litigation related thereto; | | agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said id invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will a same in any interference or litigation related thereto; | |
| | And I hereby of this assignment | sovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with it and sale. | |

PATENT REEL: 049243 FRAME: 0067

| NAME OF SOLE OR FIRST INVENTOR: | | | | | 0 | |
|--|--------------------|---------------------------------|-----------------------|---------------|---------------------|------|
| Given Name | | - | | | mark 1 | 9 |
| (first and middle [if any]) | Yoshihiro | | Family Name or Surnan | ie OE | fieb/df | 2.41 |
| Inventor's signature | Joshhiw | a | | Date February | 45, 2011 | 1.0 |
| Residence: Kawasaki-shi, Kanagawa-ken, Japan | | | | | | |
| c/o TOYOTA JIDOSHA KABUSHIKI KAISHA Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan | | | | | | |
| NAME OF SECOND INVENTOR: | | | | | | |
| liven Name first and middle [if any]) Hirofumi | | Family Name or Surname KAMIMARU | | RU | | |
| Inventor's signature | Hirofumi <u>ka</u> | mimari | 4 | Date Februar | y 18,2019 | |
| Residence: Fukuoka-shi, Fukuoka-ken, Japan | | | | | | |
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PATENT REEL: 049243 FRAME: 0068

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