504098779 11/16/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4145448 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| TAKAYUKI MORITANI | 11/01/2016 |
| YASUTAKA OTSUBO | 11/01/2016 |
| TSUYOSHI ARINAGA | 11/07/2016 |

RECEIVING PARTY DATA

| Name: | MAZDA MOTOR CORPORATION | |
|------------------------------|-------------------------------|--|
| Street Address: | ress: 3-1, SHINCHI, FUCHU-CHO | |
| City: | AKI-GUN | |
| State/Country: | JAPAN | |
| Postal Code: 730-8670 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15353054 |

CORRESPONDENCE DATA

Fax Number: (503)459-4142

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE LLP

Address Line 1: 806 SW BROADWAY

Address Line 2: SUITE 600

Address Line 4: PORTLAND, OREGON 97205-3335

| ATTORNEY DOCKET NUMBER: | MZD2016A5070 |
|--|--------------|
| NAME OF SUBMITTER: | YUKO AUSTIN |
| SIGNATURE: /Yuko Austin/ | |
| DATE SIGNED: | 11/16/2016 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 3

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PATENT 504098779 REEL: 040344 FRAME: 0809

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PATENT REEL: 040344 FRAME: 0810

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

| Title of | TRAFFIC SIGN RECOGNITION SYSTEM | | | |
|--|--|--|--|--|
| Invention: | | | | |
| As the below named | l inventor, I hereby declare that: | | | |
| This declaration is directed to: | The attached application, or | | | |
| | United States application or PCT international application number | | | |
| | filed on ; | | | |
| | nieu oii | | | |
| The above-identified | d application was made or authorized to be made by me. | | | |
| I believe that I am th | ne original inventor or an original joint inventor of a claimed invention in the application. | | | |
| | neys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, and attorney docket number of the above identified application when known. | | | |
| | ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by It of not more than five (5) years, or both. | | | |
| Fuchu-cho, Aki-gun, NOW, THEREFOR, have sold, assigned, right to the above-ic entire right, title and territorial possession extensions thereof. I hereby authorize and all of said Letter same, for the sole us Further, I agree th invention, and testif renewal and reissue issued to ASSIGNEE, | Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having a place of business at 3-1, Shinchi, Hiroshima 730-8670, Japan is desirous of acquiring an interest therein; for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive lentified invention in the United States and its territorial possessions and in all foreign countries, and the dinterest in and to any and all Letters Patent which may be granted therefor in the United States and its and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any as Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the se of the ASSIGNEE, its successors and assigns. at I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said yin any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, he proper protection for said invention in the United States and in any and all foreign countries. | | | |
| LEGAL NAME OF INV | ENTOR | | | |
| Inventor: Takayuk Signature: | Bander Monton | | | |
| Signature. | and to the manner | | | |
| | ATTY DOCKET NO.: MZD2016A5070 | | | |

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

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

| Title of | TRAFFIC SIGN RECOGNITION SYSTEM | | | |
|---|---|--|--|--|
| Invention: | | | | |
| As the below named | l inventor, I hereby declare that: | | | |
| | | | | |
| This declaration is directed to: | The attached application, or | | | |
| | United States application or PCT international application number | | | |
| | filed on ; | | | |
| | | | | |
| The above-identified | d application was made or authorized to be made by me. | | | |
| I believe that I am th | ne original inventor or an original joint inventor of a claimed invention in the application. | | | |
| l authorize the attor | neys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, | | | |
| application number, | and attorney docket number of the above identified application when known. | | | |
| I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | | | | |
| WHEREAS, Mazda | Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having a place of business at 3-1, Shinchi, | | | |
| | Hiroshima 730-8670, Japan is desirous of acquiring an interest therein; | | | |
| | for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I | | | |
| have sold, assigned, | and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive | | | |
| right to the above-ic | entified invention in the United States and its territorial possessions and in all foreign countries, and the | | | |
| entire right, title and | Interest in and to any and all Letters Patent which may be granted therefor in the United States and its | | | |
| | ns and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and | | | |
| extensions thereof. | | | | |
| I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any | | | | |
| | s Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the | | | |
| | e of the ASSIGNEE, its successors and assigns. | | | |
| Further, I agree that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said | | | | |
| invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, | | | | |
| renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be | | | | |
| issued to ASSIGNEE, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries. | | | | |
| to obtain and emotice proper protection to said invention in the office states and in any and air or eight countries. | | | | |
| LEGAL NAME OF INV | ENTOR | | | |
| Inventor: Yasutaka OTSUBO Date: 1/1/1/20/6 Signature: Johnaka Washo | | | | |
| Signature: Morkaka Whaleo | | | | |
| | | | | |
| | ATTY DOCKET NO · MZD2016A5070 | | | |

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

PATENT REEL: 040344 FRAME: 0812

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

| Title of | TRAFFIC SIGN RECOGNITION | SYSTEM | | |
|--|---|--|--|--|
| Invention: | | | | |
| As the below named inventor, I hereby declare that: | | | | |
| This declaration is directed to: | The attached application, or | | | |
| | United States application or PC | T international application number | | |
| | filed on; | Three moderna application namber | | |
| | | | | |
| The above-identified | application was made or authorized | d to be made by me. | | |
| believe that I am th | e original inventor or an original joir | nt inventor of a claimed invention in the application. | | |
| l authorize the attorneys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date, application number, and attorney docket number of the above identified application when known. | | | | |
| I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | | | | |
| WHEREAS, Mazda Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having a place of business at 3-1, Shinchi, Fuchu-cho, Aki-gun, Hiroshima 730-8670, Japan is desirous of acquiring an interest therein; NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof. | | | | |
| I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the same, for the sole use of the ASSIGNEE, its successors and assigns. | | | | |
| Further, I agree that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said | | | | |
| invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution. | | | | |
| renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be | | | | |
| issued to ASSIGNEE, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns. | | | | |
| to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries. | | | | |
| LEGAL NAME OF INVENTOR | | | | |
| Inventor: Tsuyoshi ARINAGA Date: 11/1/2016 | | | | |
| Inventor: Tsuyoshi ARINAGA Date: 11/1/2016 Signature: Tsuyoshi Arinaga | | | | |
| | | ATTY DOCKET NO.: MZD2016A5070 | | |

Alleman Hall McCoy Russell & Tuttle LLP 806 SW Broadway, Ste. 600 Portland, OR 97205

PATENT REEL: 040344 FRAME: 0813

RECORDED: 11/16/2016