#### 505039110 08/07/2018

### PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| ATSUSHI INOUE   | 06/28/2018     |
| MASANARI SUEOKA | 06/28/2018     |
| KOTA MATSUMOTO  | 06/28/2018     |
| KEIJI MARUYAMA  | 06/29/2018     |

#### **RECEIVING PARTY DATA**

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

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16056753 |

#### **CORRESPONDENCE DATA**

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Email: ngo@allemanhall.com

**Correspondent Name:** ALLEMAN HALL CREASMAN & TUTTLE LLP

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Address Line 4: PORTLAND, OREGON 97204

| ATTORNEY DOCKET NUMBER: | MZD183035  |
|-------------------------|--|
| NAME OF SUBMITTER:      | MINH NGO   |
| SIGNATURE:              | /Minh Ngo/   |
| DATE SIGNED:            | 08/07/2018   |
|                         | This document serves as an Oath/Declaration (37 CFR 1.63). |

**Total Attachments: 4** 

**PATENT** REEL: 046569 FRAME: 0921

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| Title of                                | CONTROL SYSTEM FOR COMPRESSION-IGNITION ENGINE  |
|---|---|
| Invention:                              | CONTROL STREET FOR COMPRESSION-IGINITION ENGINE   |
| As the below named                      | i inventor, i hereby declare that:  |
| This declaration is directed to:        | The attached application, or  |
|   | United States application or PCT international application numberfiled  |
|   | on;   |
|   | · · · · · · · · · · · · · · · · · · ·   |
| The above-identifie                     | d application was made or authorized to be made by me.  |
|   |   |
| I believe that I am t                   | ne original inventor or an original joint inventor of a claimed invention in the application.                   |
|   |   |
| I authorize the attor                   | neys and agents associated with Customer Number 145327 to insert the filing date, application number,           |
| and attorney docke                      | t number of the above identified application when known.  |
| -                                       | •   |
| I hereby acknowled                      | ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by         |
| l '                                     | nt of not more than five (5) years, or both.  |
|   |   |
| WHEREAS, Mazda                          | Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at              |
|   | cho, Aki-gun, 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      |
|   | dentified invention in the United States and its territorial possessions and in all foreign countries, and      |
| _                                       | e and interest in and to any and all Letters Patent which may be granted therefor in the United States          |
| 1                                       | issessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations   |
| and extensions the                      |   |
|   | e and request the Patent Office officials in the United States and any and all foreign countries to issue       |
| •                                       | etters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and         |
| [                                       | sole use of the ASSIGNEE, its successors and assigns.   |
| į                                       | that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said              |
|   | fy in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal |
| •                                       | tions, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to      |
| 1                                       | rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain      |
| •                                       | protection for said invention in the United States and in any and all foreign countries.                        |
| and emorce proper                       | protection for said invention in the onited states and in any and an foreign countries.                         |
| LEGAL NAME OF INVENTOR                  |   |
| PPOLE (ALMAIP OL. 11A                   | , , , , , , , , , , , , , , , , , , ,   |
| Inventor:                               | Atsushi locue Date: June 28, 2018   |
| • |   |
| Signature: Asiach: Ihoue                |   |
|   |   |
|   |   |

| Title of<br>Invention:   | CONTROL SYSTEM FOR COMPRESSION-IGNITION ENGINE   |
|--|--|
| 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 numberfiled on;   |
| The above-identified   | d application was made or authorized to be made by me.   |
| I believe that I am ti   | ne original inventor or an original joint inventor of a claimed invention in the application.  |
|  | neys and agents associated with Customer Number 145327 to insert the filing date, application number, thrown.  |
| , and the second | ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by at of not more than five (5) years, or both.   |
| 3-1, Shinchi, Fuchu-<br>NOW, THEREFOR,<br>have sold, assigned,<br>right to the above-i<br>the entire right, title<br>and its territorial po-<br>and extensions ther<br>I hereby authorizany and all of said L<br>to the same, for the<br>Further, I agree to<br>invention, and testiff<br>and reissue applicat<br>ASSIGNEE, make all   | Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at cho, Aki-gun, 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 dentified invention in the United States and its territorial possessions and in all foreign countries, and and interest in and to any and all Letters Patent which may be granted therefor in the United States assessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations eof.  e and request the Patent Office officials in the United States and any and all foreign countries to issue etters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and sole use of the ASSIGNEE, its successors and assigns. that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said by in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewaltions, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain protection for said invention in the United States and in any and all foreign countries. |
| LEGAL NAME OF IN   | VENTOR   |
| Inventor: M  | asanari Sueoka Date: Jul. 28. 20/8   |
| Signature: <u>Masa</u>   | nari Sueda   |
|  | ATTY DOCKET NO · M7D182025   |

| little of  | CONTROL SYSTEM FOR COMPRESSION-IGNITION ENGINE  |
|--|---|
| Invention:   |   |
| As the below name  | inventor, I hereby declare that:  |
| This declaration is directed to:   | The attached application, or  |
|  | United States application or PCT international application numberfiled on   |
| The above-identifie  | d application was made or authorized to be made by me.  |
| I believe that I am t  | he original inventor or an original joint inventor of a claimed invention in the application.   |
|  | neys and agents associated with Customer Number 145327 to insert the filing date, application number, ${f t}$ number of the above identified application when known.  |
| i  | ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by<br>nt of not more than five (5) years, or both.   |
| 3-1, Shinchi, Fuchu-<br>NOW, THEREFOR<br>have sold, assigned,<br>right to the above-<br>the entire right, titl<br>and its territorial po<br>and extensions then<br>I hereby authoriz<br>any and all of said I<br>to the same, for the<br>Further, I agree<br>invention, and testi-<br>and reissue applicat<br>ASSIGNEE, make all<br>and enforce proper | e and request the Patent Office officials in the United States and any and all foreign countries to issue letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and a sole use of the ASSIGNEE, its successors and assigns. That I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said by in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewaltions, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain protection for said invention in the United States and in any and all foreign countries. |
| LEGAL NAME OF IN   | VENTOR  |
|  | ota Matsumoto Date: Julie 27 2017   |
| Signature: <u>Kora</u>   | Matsumoto   |
|  | ATTY DOCKET NO - M7D192035  |

| Title of Invention:  | CONTROL SYSTEM FOR COMPRESSION-IGNITION ENGINE   |
|--|--|
| }  | I<br>d inventor, I hereby declare that:  |
| The site sectors incention   | s inventory i the day weeks a stock  |
| This declaration is directed to:   | The attached application, or   |
|  | United States application or PCT international application numberfiled                                   |
|  | on;  |
| The above-identifie  | ed application was made or authorized to be made by me.  |
| I believe that I am t  | the original inventor or an original joint inventor of a claimed invention in the application.           |
| l authorize the atto   | rneys and agents associated with Customer Number 145327 to insert the filing date, application number,   |
| 1  | et number of the above identified application when known.  |
|  |  |
| I hereby acknowled   | ige that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by |
| fine or imprisonme   | ent of not more than five (5) years, or both.  |
| WHEREAS, Mazda Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal 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:  | Keiji Maruyama Date: June 29 20/8  |
| Signature: <u>Keij</u>   | i Maraya ma  |
| L  | ATTY DOCKET NO.: MZD183035   |

PATENT REEL: 046569 FRAME: 0926

**RECORDED: 08/07/2018**