501767711 12/23/2011

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Shingo FUBUKI | 10/14/2011 |
| Keita OKUMURA | 10/14/2011 |
| Kenji HARADA | 10/14/2011 |

RECEIVING PARTY DATA

| Name: | TOYOTA JIDOSHA KABUSHIKI KAISHA | |
|-----------------|---------------------------------|--|
| Street Address: | 1, Toyota-cho | |
| City: | Toyota-shi, Aichi | |
| State/Country: | JAPAN | |
| Postal Code: | 471-8571 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13380634 | |

CORRESPONDENCE DATA

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 202-220-4200

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ATTORNEY DOCKET NUMBER: 13596/74

NAME OF SUBMITTER: Matthew G. Kuspa

Total Attachments: 3

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> PATENT REEL: 027440 FRAME: 0849

OF \$40.00 13380634

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ASSIGNMENT

WHEREAS, __(1) TOYOTA JIDOSHA KABUSHIKI KAISHA __, corporations organized and existing under and by virtue of the laws of __Japan ___, having their principle place of business at __(1) 1, Toyota-cho, Toyota-shi, Aichi, 471-8571 Japan , who, together with their successors and assigns, (hereinafter called "Assignee(s),") are desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

NOW, THEREFORE, in consideration of the equivalent of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee(s) to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

- 1. Assign, transfer, and convey to Assignee(s) the Entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of letters Patent granted for said inventions and discoveries or upon said applications.
- 2. Authorize and request the Assistant Commissioner for Patents of the United States of America to issue or transfer all said Letters Patent to Assignee(s), as Assignee(s) of the entire right, title, and interest therein or otherwise as Assignee(s) may direct.
- 3. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee(s) without encumbrance.

PATENT REEL: 027440 FRAME: 0850 4. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee(s)'s request and at Assignee(s)'s expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee(s) as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee(s) all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee(s); to communicate to Assignee(s) all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee(s) with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

| IN TESTIMONY WHEREOF, I have | hereunto set my hand and seal this |
|---|---------------------------------------|
| 14th day of October | , <u>2011</u> . |
| | |
| | Shings Fubuki' |
| | Shingo FUBUKI |
| | - |
| | |
| IN TESTIMONY WHEREOF, I have | hereunto set my hand and seal this |
| <u> 14th</u> day of <u>October</u> | , <u>2011</u> . |
| | |
| | <u>Xeita Okumura</u> Keita OKUMURA |
| | |
| IN TESTIMONY WHEREOF, I have 14th day of October | |
| | <u>Menji Tsarada</u> Kenji HARADA |

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