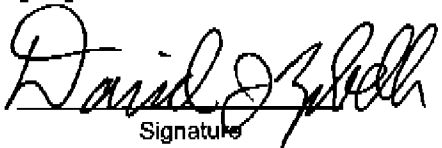


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Aichi-Pref 448-8661 JAPAN

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PATENT
REEL: 016608 FRAME: 0589

ASSIGNMENT

WHEREAS, we, Takashi YUI, Noboru TAKAGI, Kiyoo HIROSE, Keizo HIRAKU and Hirohiko YAMADA, citizens of Japan, residing at Toyota-shi, Aichi-ken, Japan, Toyota-shi, Aichi-ken, Japan, Nagoya-shi, Aichi-ken, Japan, Nishikamo-gun, Aichi-ken, Japan and Okazaki-shi, Aichi-ken, Japan (hereinafter referred to as "the Assignor"); have made new and useful improvements in an invention entitled Idling Speed Control System and Method

for which we are about to make application for Letters Patent in the United States, said application having been executed on even date hereof; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA and DENSO CORPORATION, corporations organized and existing under and by virtue of the laws of Japan, having their principle places of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan and 1-1 SHOWA-CHO, KARIYA-CITY AICHI-PREF 448-8661 JAPAN, who, together with its successors and assigns, (hereinafter called "Assignee,") is 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 to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee 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, as assignee of the entire right, title, and interest therein or otherwise as Assignee 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 without encumbrance.

4. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee'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 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 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; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee 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 24 day of December, 2004.

Takashi Yui
(Takashi YUI)

In TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 24 day of December, 2004.

Noboru Takagi
(Noboru TAKAGI)

In TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 24 day of December, 2004.

Kiyoo Hirose
(Kiyoo HIROSE)

In TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 24 day of December, 2004.

Keizo HIRAKU
(Keizo HIRAKU)

In TESTIMONY WHEREOF, I have hereunto set my hand and seal this 24 day of December, 2004.

Hirohiko Yamada

(Hirohiko YAMADA)

WITNESSED BY:

Nachide Fuwa

Name Nachide FUWA

Address

WITNESSED BY:

Toshikazu Kato

Name Toshikazu KATO

Address



UNITED STATES PATENT AND TRADEMARK OFFICE

P41964

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 14, 2005

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NUMBER OF PAGES: 5

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ASSIGNOR:

YUI, TAKASHI

DOC DATE: 12/24/2004

ASSIGNOR:

TAKAGI, NOBORU

DOC DATE: 12/24/2004

ASSIGNOR:

HIROSE, KIYOO

DOC DATE: 12/24/2004

ASSIGNOR:

HIRAKU, KEIZO

DOC DATE: 12/24/2004

ASSIGNOR:

YAMADA, HIROHIKO

DOC DATE: 12/24/2004

ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA
1, TOYOTA-CHO, TOYOTA-SHI
AICHI-KEN 471-8571, JAPAN

PATENT



016259/0573 PAGE 2

SERIAL NUMBER: 11049648

FILING DATE: 02/04/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: IDLING SPEED CONTROL SYSTEM AND METHOD

DIANE RUSSELE, PARALEGAL
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