

RE

07-07-2000



SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Y 6.29.00

To the Assistant Commissioner

101397651

original documents or copy thereof.

1. Name of conveying party(ies):

Hidenobu SUZUKI
Yoshimasa FURUIKE
Yasuhiro TOOYAMA
Hiroshi TAKEUCHI
Isao OGAWA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 8 March 2000

2. Name and address of receiving party(ies):

(a) Name: TOYOTA JIDOSHA
KABUSHIKI KAISHA

Internal Address:

Street Address: 1, Toyota-cho, Toyota-shi
Aichi-ken, 471-8571, JAPAN

(b) Name: DENSO CORPORATION

Internal Address:

Street Address: 1-1, Showa-CHO, Kariya-shi
Aichi-ken, 448-8661
JAPAN

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application number(s) or patent number(s);

If this document is being filed together with a new application, the execution date of the application is: 2 Feb. 1999

A. Patent Application No.(s)
9/540,762

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Mark H. Neblett
Kenyon & Kenyon
1500 K Street, N.W., Suite 700
Washington, DC 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

11-0600

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark H. Neblett
Name of Person Signing

Signature

29 June 2000
Date

Total number of pages including cover sheet, attachments, and document: 9

APPLN. SERIAL NO. 09/540,762

2. Name and address of receiving party(ies): (continued)

AISIN AW CO., LTD.
10, Takane, Fujii-cho, Anjo-shi
Aichi-ken, 444-1192, JAPAN

FUJITSU TEN LIMITED
1-2-28, Gosho-dori, Hyogo-ku
Kobe-shi, Hyogo-ken, 652-0885, JAPAN

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006, Oaza Kadoma, Kadoma-shi
Osaka, 571-8501, JAPAN

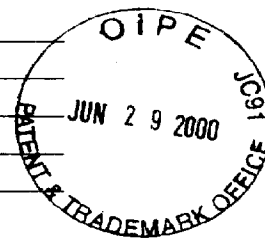


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A S S I G N M E N T

WHEREAS, we,

- 1) Hidenobu SUZUKI
- 2) Yoshimasa FURUIKE
- 3) Yasuhiro TOOYAMA
- 4) Hiroshi TAKEUCHI
- 5) Isao OGAWA



citizens of Japan, residing at

- 1) Toyota-shi, Aichi-ken, Japan
- 2) Chiryu-shi, Aichi-ken, Japan
- 3) 6-18, Harayama, Oka-cho, Okazaki-shi, Aichi-ken, 444-8564 Japan
- 4) 2-13-15, Danjo-cho, Nishinomiya-shi, Hyogo-ken, 663-8006 Japan
- 5) 1-5-14, Tomioka Higashi, Kanazawa-ku, Yokohama-shi, Kanagawa-ken, 236-0051 Japan

respectively, (hereinafter referred to as "the Assignors");
have invented new and useful improvements in

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

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA

organized and existing under and by virtue of the laws of
Japan, having an office at 1, Toyota-cho,
Toyota-shi, Aichi-ken, 471-8571 Japan
, DENSO CORPORATION

organized and existing under and by virtue of the laws of
Japan, having an office at 1-1, Showa-cho,
Kariya-shi, Aichi-ken, 448-8661 Japan
, AISIN AW CO., LTD

organized and existing under and by virtue of the laws of
Japan, having an office at 10, Takane, Fujii-cho,
Anjo-shi, Aichi-ken, 444-1192 Japan
, and FUJITSU TEN LIMITED

organized and existing under and by virtue of the laws of
Japan, having an office at 1-2-28, Goshu-dori,
Hyogo-ku, Kobe-shi, Hyogo-ken, 652-0885 Japan
, and MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

organized and existing under and by virtue of the laws of
Japan, having an office at 1006, Oaza Kadoma,
Kadoma-shi, Osaka, 571-8501 Japan

(hereinafter referred to as "the Assignees"), are desirous
of acquiring the entire right, title and interest in and to
the application and invention therein described and claimed

and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, for and in consideration of the equivalent of U.S. \$1.00 (One U.S. Dollar) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the Assignors, have assigned and transferred, and do hereby assign and transfer, unto the Assignees, their successors and assigns, the entire right, title and interest in and to the application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America on the invention, and any Letters Patent that may issue thereon or therefor in the United States, and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignees, their successors and assigns, the same as it would have been held and enjoyed by us if this Assignment had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue all such Letters Patent to the Assignees, their successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we, the Assignors, bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignees, their successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignees, their successors and assigns, to vest in the Assignees, their

successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises, that we, our executors and administrators, will at any time upon request communicate to the Assignees, their successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the Assignees, their successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 8th day of March , 2000 .

Hiddenobu Suzuki

Name: Hiddenobu SUZUKI

WITNESSED BY:

Hironobu Sugimoto

Name Hironobu SUGIMOTO

Toyota-shi, Aichi-ken,

Japan

Address

WITNESSED BY:

Takeo Hamada

Name Takeo HAMADA

Toyota-shi, Aichi-ken,

Japan

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 8th day of March ., 2000.

Yoshimasa Furuike

Name: Yoshimasa FURUIKE

WITNESSED BY:

Takeshi Kato

Name Takeshi KATO

Kariya-shi, Aichi-ken,

Japan

Address



WITNESSED BY:

Hidehiko Kawakami

Name Hidehiko KAWAKAMI

Kariya-shi, Aichi-ken,

Japan

Address

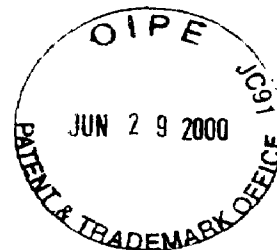
IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 9th day of *march*, 2000.

Yasuhiro Tooyama
Name: Yasuhiro TOOYAMA

WITNESSED BY:

Kihachi Hayashida
Name Kihachi HAYASHIDA

Anjo-shi, Aichi-ken,
Japan
Address



WITNESSED BY:

Takeshi Yanagikubo
Name Takeshi YANAGIKUBO

Okazaki-shi, Aichi-ken,
Japan
Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 8th day of March , 2000.

Hiroshi Takeuchi
Name: Hiroshi TAKEUCHI



WITNESSED BY:

Masayuki Katsuno
Name Masayuki KATSUNO

Akashi-shi, Hyogo-ken,
Japan
Address

WITNESSED BY:

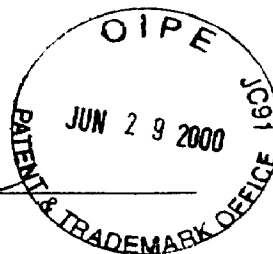
Hideo Asami
Name Hideo ASAMI

Kobe-shi, Hyogo-ken,
Japan
Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 8th day of March , 2000.

Isao Ogawa

Name: Isao OGAWA



WITNESSED BY:

Mamoru Kaneko

Name Mamoru KANEKO

Yokohama-shi, Kanagawa-ken,

Japan

Address

WITNESSED BY:

Hiroshi Iizuka

Name Hiroshi IIZUKA

Yokohama-shi, Kanagawa-ken,

Japan

Address

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RECORDED: 06/29/2000

PATENT
REEL: 010891 FRAME: 0013