

11-30-2001

Director of the U.S. Patent  
and Trademark Office  
Box Assignments  
Washington, D.C. 20231



101904384

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. 111194

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

## 1. A. Name of conveying parties:

1) Masahiko OSADA  
2) Masato HANAI  
3) Masanori OHMI  
4) Mikio SAITO  
5) Shuuichi NAGATA  
6) Takeshi TACHIBANA  
7) Ken KURETAKE  
8) Hideto HANADA

11/23/01

## B. Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2. A. Name and address of receiving party:

DENSO CORPORATION  
1-1, SHOWA-CHO, KARIYA-CITY,  
AICHI-PREF., 448-8661, JAPAN

## 3. A. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

B. Execution Date: 1,2,3,4) November 6, 2001 5)  
November 13, 2001 6) November 14, 2001 7,8)  
November 15, 2001

## B. Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

09/990295

4. A. If this document is being filed together with a new application, the execution date of the application is: 1,2,3,4)  
November 6, 2001 5) November 13, 2001 6) November 14, 2001 7,8) November 15, 2001

B. Patent Application No.(s) \_\_\_\_\_

C. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: James A. Oliff

11/29/2001 01 FC:581 00000000 09990295

40.00 OP

Address: **OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, VA 22320**

6. Total number of applications and patents involved: 17. A. Total fee (37 CFR 3.41).....\$ 40.00B. Enclosed (Check No. 125174 )

8. Credit any overpayment or charge any underpayment to  
deposit account number 15-0461.

## 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.

James A. Oliff Registration No. 27,075  
Joel S. Armstrong Registration No. 36,430

Date: November 23, 2001Total number of pages including cover sheet, attachments, and document: 3

JP979 U.S. PTO  
09/990295  
11/23/01



# ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

|                           |                              |
|---------------------------|------------------------------|
| (1) <u>Masahiko OSADA</u> | (5) <u>Shuuichi NAGATA</u>   |
| (2) <u>Masato HANAI</u>   | (6) <u>Takeshi TACHIBANA</u> |
| (3) <u>Masanori OHMI</u>  | (7) <u>Ken KURETAKE</u>      |
| (4) <u>Mikio SAITO</u>    | (8) <u>Hideto HANADA</u>     |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (10) Insert Address of Assignee

|                              |   |
|------------------------------|---|
| (9) <u>DENSO CORPORATION</u> | (10) <u>1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan</u> |
|------------------------------|---|

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) STARTING SYSTEM FOR VEHICLE

(Attorney Docket No. JAO)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on 1,2,3,4) November 6, 2001 5) November 13, 2001 6) November 14, 2001 7,8) November 15, 2001

(13) Alternative Identification for filed applications (13) U.S. application Serial Number November 23, 2001

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **OLIFF & BERRIDGE** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

|                                |  |
|--------------------------------|--|
| Date <u>November 6th. 2001</u> | Name of Inventor <u>Masahiko Osada</u> (SEAL)<br><u>Masahiko OSADA</u>   |
| Date <u>November 6th 2001</u>  | Name of Inventor <u>Masato Hanai</u> (SEAL)<br><u>Masato HANAI</u>       |
| Date <u>November 6. 2001</u>   | Name of Inventor <u>Masanori Ohmi</u> (SEAL)<br><u>Masanori OHMI</u>     |
| Date <u>November 6th. 2001</u> | Name of Inventor <u>Mikio Saito</u> (SEAL)<br><u>Mikio SAITO</u>         |
| Date <u>November 13. 2001</u>  | Name of Inventor <u>Shuuichi Nagata</u> (SEAL)<br><u>Shuuichi NAGATA</u> |

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

|                              |                                |
|------------------------------|--------------------------------|
| Date <u>November 6, 2001</u> | Witness <u>Shiraji Usami</u>   |
| Date <u>November 6, 2001</u> | Witness <u>Toshiyuki Sakai</u> |

# ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Masahiko OSADA

(2) Masato HANAI

(3) Masanori OHMI

(4) Mikio SAITO

(5) Shuuichi NAGATA

(6) Takeshi TACHIBANA

(7) Ken KURETAKE

(8) Hideto HANADA

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee

(9) DENSO CORPORATION

(10) Insert Address of Assignee

(10) 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) STARTING SYSTEM FOR VEHICLE

(Attorney Docket No. JAO)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on 1,2,3,4) November 6, 2001 5) November 13, 2001 6) November 14, 2001

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number 7,8) November 15, 2001

filed November 23, 2001

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **OLIFF & BERRIDGE** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

|                               |   |
|-------------------------------|---|
| Date <u>November 14, 2001</u> | Name of Inventor <u>Takeshi Tachibana</u> (SEAL)<br>Takeshi TACHIBANA |
| Date <u>November 15, 2001</u> | Name of Inventor <u>Ken Kuretake</u> (SEAL)<br>Ken KURETAKE           |
| Date <u>November 15, 2001</u> | Name of Inventor <u>Hideto Hanada</u> (SEAL)<br>Hideto HANADA         |
| Date _____                    | Name of Inventor _____ (SEAL)   |
| Date _____                    | Name of Inventor _____ (SEAL)   |

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

|                               |                                |
|-------------------------------|--------------------------------|
| Date <u>November 14, 2001</u> | Witness <u>Tatsuo Teratani</u> |
| Date <u>November 19, 2001</u> | Witness <u>Masa Yamashita</u>  |