

08-26-1999

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Our Ref.: 2018-185

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Tetsuya Otaki Kenichi Maki Masaya Oi Koji Nagata</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: 5-3-99 <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other Record to correct error in Mr. Nagata's name and error in assignee's address previously recorded on Reel 9628, Frame 0682</p> <p>Execution Date: 11-9-98</p>	<p>2. Name and address of receiving party(ies): Name: <u>DENSO CORPORATION</u> Internal Address: _____ Street Address: <u>1-1, Showa-cho</u> <u>Kariya-city</u> City: <u>Aichi-Pref.</u> State/Country: <u>Japan</u> Zip: <u>448-8661</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>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: _____</p> <table border="0"><tr><td style="vertical-align: top;"><p>A. Patent Application No(s). (1) 09/198,393 (2) _____</p></td><td style="vertical-align: top;"><p>B. (1) _____ (2) _____</p></td></tr></table> <p style="text-align: center;">Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No(s). (1) 09/198,393 (2) _____</p>	<p>B. (1) _____ (2) _____</p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. <u>14-1140</u>.</p>
<p>A. Patent Application No(s). (1) 09/198,393 (2) _____</p>	<p>B. (1) _____ (2) _____</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Larry S. Nixon</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>				

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<p>9. Statements 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.</p> <table border="0"><tr><td style="text-align: center;"><u>Larry S. Nixon</u> Name of Person Signing Reg. No. 25,640</td><td style="text-align: center;"> Signature</td><td style="text-align: center;"><u>May 3, 1999</u> Date</td></tr></table>			<u>Larry S. Nixon</u> Name of Person Signing Reg. No. 25,640	 Signature	<u>May 3, 1999</u> Date
<u>Larry S. Nixon</u> Name of Person Signing Reg. No. 25,640	 Signature	<u>May 3, 1999</u> Date			
<p>Total number of pages including original cover sheet, attachments, and document: [5]</p>					

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Our Ref.: 2018-1

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tetsuya Otaki
Kenichi Maki
Masaya Oi
Koji Ngata

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

Name: DENSO CORPORATION

Internal Address: _____

Street Address: 1-1, Show-cho

Kariya-city

City: Aichi-Pref.

State/Country: Japan

Zip: 448-8661

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

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

Execution Date: November 9, 1998

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:

November 9, 1998

A. Patent Application No(s).

- (1) (To Be Assigned)
(2)
(3)

B. Patent No(s).

- (1)
(2)
(3)

Additional numbers attached ☐ Yes ☒ No

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

Name: Larry S. Nixon

Internal Address: _____

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8th Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements 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.

Larry S. Nixon

Name of Person Signing

Reg. No. 25,640

Larry S. Nixon

Signature

November 24, 1998

Date

12/03/1998 460RDON Total number of pages including original cover sheet, attachments, and document: [2]

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Case No. _____

ASSIGNMENT OF U.S. PATENT RIGHTS

(1) Tetsuya Otaki
 (2) Kenichi Maki
 (Inventors) (3) Masaya Oi
 (4) Koji Nagata

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

(Assignee) DENSO CORPORATION
 (Address) 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as CONTROL METHOD AND APPARATUS USING CONTROL GAIN VARIABLE WITH ESTIMATED OPERATION For which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on OF CONTROL or has already filed U.S. application Serial No. _____, OBJECT on _____.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof 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 agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document.

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

Date November 9, 1998 Signature of inventor (1) Tetsuya Otaki Tetsuya Otaki
 Date November 9, 1998 Signature of inventor (2) Kenichi Maki Kenichi Maki
 Date November 9, 1998 Signature of inventor (3) Masaya Oi Masaya Oi
 Date November 9, 1998 Signature of inventor (4) Koji Nagata Koji Nagata

Witnessed by: Minoru Hozuka
 Witnessed by: Yuko Idirakayashi

Date November 9, 1998
 Date November 9, 1998