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Our Ref. 2018-132

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

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

<p>1. Name of conveying party(ies): Satoshi HADA Satoshi HASEDA Eiichi KUROKAWA Toshiyuki SUZUKI Tomoo KAWASE</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <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 assignee's address previously recorded on Reel 9246, Frame 0516</p> <p>Execution Date: May 8, 1998</p>	<p>2. Name and address of receiving party(ies): Name: DENSO CORPORATION Internal Address: _____ Street Address: 1-1, Showa-cho _____ City: Kariya-City, Aichi-Pref. State/Country: Japan Zip: 448-8661</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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>A. Patent Application No(s). (1) 09/064,163 (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p>
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Additional numbers attached ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Larry S. Nixon Internal Address: _____ Street Address: Nixon &amp; Vanderhye P.C. 1100 North Glebe Road 8<sup>th</sup> Floor City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <i>E</i> <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 <b>Account No. 14-1140.</b></p>
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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>Larry S. Nixon Name of Person Signing Reg. No. 25,640</p>	<p><i>Larry S. Nixon</i> Signature</p>	<p>September 24, 1998 Date</p>
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Total number of pages including original cover sheet, attachments, and document: [3]

## ASSIGNMENT OF U.S. PATENT RIGHTS

Satoshi HADAEiichi KUROKAWA(Inventors) Toshiyuki SUZUKITomoo KAWASESatoshi HASEDA

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

(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

(Title) CONTROL METHOD FOR GAS CONCENTRATION SENSOR

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 \_\_\_\_\_ or has already filed U.S. application Serial No. \_\_\_\_\_, 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 May 8, 1998 Signature of inventor Satoshi HADA Satoshi Hada

Date May 8, 1998 Signature of inventor Eiichi KUROKAWA Eiichi Kurokawa

Date May 8, 1998 Signature of inventor Toshiyuki SUZUKI Toshiyuki Suzuki

Date May 8, 1998 Signature of inventor Tomoo KAWASE Tomoo Kawase

Date May 8, 1998 Signature of inventor Satoshi HASEDA Satoshi Haseda

Witnessed by: Hiroshi Sugino Date May 8, 1998

Witnessed by: Koji Gomi Date May 8, 1998