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Attorney Docket No. 106528

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

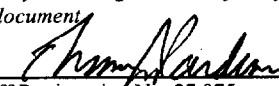
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|---|---|
| <p>1. A. Name of conveying parties:<br/>Yoriko HASEGAWA<br/>Mareo KIMURA<br/>Naoki TAKAHASHI<br/>Hiromasa SUZUKI<br/>Riemi TANIZAWA<br/>Kazuaki SOBUE</p> <p>B. Additional names of conveying parties attached?<br/><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. A. Name and address of receiving parties:<br/>TOYOTA JIDOSHA KABUSHIKI KAISHA<br/>1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN,<br/>471,8571, JAPAN</p> <p>KABUSHIKI KAISHA TOYOTA CHUO<br/>KENKYUSHO<br/>41-1, AZA YOKOMICHI, OAZA NAGAKUTE,<br/>NAGAKUTE-CHO, AICHI-GUN, AICHI KEN,<br/>480-1992, JAPAN</p> |
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| <p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>August 4, 2000</u></p> | <p>B. Additional names &amp; addresses attached?<br/><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
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4. A. If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_
- B. Patent Application No.(s) 09/581,938
- C. Patent No.(s) \_\_\_\_\_
- Additional numbers attached? ☐ Yes ☒ No

- |  |   |
|--|---|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: <b>OLIFF &amp; BERRIDGE, PLC</b><br/><b>P.O. Box 19928</b><br/><b>Alexandria, VA 22320</b></p> | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p>B. Enclosed (Check No. <u>110990</u> )</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p> |
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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*

  
James A. Oliff Registration No. 27,075  
Thomas J. Pardini Registration No. 30,411

Date: August 11, 2000Total number of pages including cover sheet, attachments, and document: 2

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PATENT  
REEL: 011023 FRAME: 0170

# **ASSIGNMENT**

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

(1) <u>Yoriko HASEGAWA</u>	(5) <u>Riemi TANIZAWA</u>
(2) <u>Mareo KIMURA</u>	(6) <u>Kazuaki SOBUE</u>
(3) <u>Naoki TAKAHASHI</u>	(7) _____ and
(4) <u>Hiromasa SUZUKI</u>	(8) _____

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) TOYOTA JIDOSHA KABUSHIKI KAISHA and KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO  
(10) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan, and 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-119;

(hereinafter designated as the Assignee) the 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 therefor, known as

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

(11) CATALYST FOR PURIFYING AN EXHAUST GAS, PROCESS FOR PRODUCING THE SAME AND METHOD FOR PURIFYING AN EXHAUST GAS

(Case No. 106528)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application

(12) on August 4, 2000

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number 09/581,938  
filed June 20, 2000

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

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof 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 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 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 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>August 4, 2000</u>	Name of Inventor <u>Yoriko Hasegawa</u>	<u>Yoriko HASEGAWA</u>	(SEAL)
Date <u>August 4, 2000</u>	Name of Inventor <u>Mareo Kimura</u>	<u>Mareo KIMURA</u>	(SEAL)
Date <u>August 4, 2000</u>	Name of Inventor <u>Naoki Takahashi</u>	<u>Naoki TAKAHASHI</u>	(SEAL)
Date <u>August 4, 2000</u>	Name of Inventor <u>Hiromasa Suzuki</u>	<u>Hiromasa SUZUKI</u>	(SEAL)
Date <u>August 4, 2000</u>	Name of Inventor <u>Riemi Tanizawa</u>	<u>Riemi TANIZAWA</u>	(SEAL)
Date <u>August 4, 2000</u>	Name of Inventor <u>Kazuaki Sobue</u>	<u>Kazuaki SOBUE</u>	(SEAL)
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>August 4, 2000</u>	Witness <u>Fumi Coto</u>
Date <u>August 4, 2000</u>	Witness <u>Sachiko Terada</u>