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05/15/02

Attorney Docket No. 112674

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) Zenichiro KATO
- 2) Hiromichi YANAGIHARA
- 3) Toshihisa SUGIYAMA
- 4) Yoshimitsu HENDA
- 5) Kazuhiko SHIRATANI
- 6) Rentaro KUROKI

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

☐ Yes ☒ No

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

TOYOTA JIDOSHA KABUSHIKI KAISHA  
1, TOYOTA-CHO, TOYOTA-SHI,  
AICHI-KEN, 471-8571 JAPAN

## 3. A. Nature of conveyance:

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

## B. Execution Date: 1,4-5) April 15, 2002

2) April 29, 2002 3) April 18, 2002 6) April 16, 2002

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

☐ Yes ☒ No

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## 4. A. If this document is being filed together with a new application, the execution date of the application is:

1,4-5) April 15, 2002 2) April 29, 2002 3) April 18, 2002 6) April 16, 2002

## 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

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

## 6. Total number of applications and patents involved: 1

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

B. Enclosed (Check No. 130729 )

## 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: May 15, 2002

Total number of pages including cover sheet, attachments, and document: 3

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PATENT APPLICATION ASSIGNMENT  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

WHEREAS, I (We) Zenichiro Kato, Hiromichi Yanagihara, Toshihisa Sugiyama, Yoshimitsu Henda, Kazuhiko Shiratani and Rentaro Kuroki as assignor(s), have invented certain improvements in "EMISSION FILTER AND METHOD OF CONTROLLING EXHAUST EMISSION" for which an application for United States Letters patent has been executed by me (us) of even date herewith; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

The undersigned hereby grant(s) the law firm of OLIFF & BERRIDGE, the power to insert here in parentheses (Application No. \_\_\_\_\_, filed May 15, 2002) the filing date and application number of said application when known.

Date: 15 / April / 2002

Zenichiro Kato  
Zenichiro Kato

Date: 29 / April / 2002

Hiromichi Yanagihara  
Hiromichi Yanagihara

Date: 18 / April / 2002

Toshihisa Sugiyama  
Toshihisa Sugiyama

Date: 15/April/2002 Yoshimitsu Henda  
Yoshimitsu Henda

Date: 15/April/2002 Kazuhiko Shiratani  
Kazuhiko Shiratani

Date: 16/April/2002 Rentaro Kuroki  
Rentaro Kuroki