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

## 1. Name of conveying party(ies):

Toshio UCHIDA  
Kimihiko TANAYA

4.18.03

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

MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310, JAPAN10/418098  
10/418098  
04/18/03Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: #1 February 27, 2003 and #2 February 26, 2003

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: February 27, 2003 and February 26, 2003

A. Patent Application No.(s)

B. Patent No.(s)

10418098

Additional numbers attached? ☐ Yes ☒ No

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

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

1

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

- ☒ Enclosed.  
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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.

Richard C. Turner

Reg. No. 29,710

April 18, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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PATENT  
REEL: 013988 FRAME: 0545

# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, \_\_\_\_\_  
Toshio UCHIDA and Kimihiko TANAYA

hereby sells, assigns and transfers to

**MITSUBISHI DENKI KABUSHIKI KAISHA**  
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled \_\_\_\_\_  
KNOCK CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE  
which was executed by the undersigned on the dates indicated below  
or was filed on \_\_\_\_\_ and accorded Serial No. \_\_\_\_\_  
(hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application  
(hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions  
of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

## INVENTOR(S):

(Toshio UCHIDA)

Toshio Uchida

(Kimihiko TANAYA)

Kimihiko Tanaya

## DATE

February 27, 2003

February 26, 2003

**PATENT**

**RECORDED: 04/18/2003**

**REEL: 013988 FRAME: 0546**