

10-26-1999

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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):

Keizo HAGIHARA, Tadahiro AZUMA and Hirofumi OHUCHI

Additional name(s) of conveying party(ies) attached?

☐ yes☒ no

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

MITSUBISHI DENKI KABUSHIKI KAISHA

2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Names☐ Other09/419,111  
Additional name(s) & address(es) attached?☐ yes☒ no

Execution Date: July 26/August 18, 1999

## 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: July 26/August 18, 1999

A. Patent Application No.(s)

Additional numbers attached?

☐ Yes☒ No

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

Robert J. Seas, Jr.  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
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Suite 800  
Washington, D.C. 20037-3213

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

1

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

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

## 8. Deposit Account No.

19-4880

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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.

Alan J. Kasper

Reg. No. 25,426

October 15, 1999

Date

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PATENT  
REEL: 010326 FRAME: 0020

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, \_\_\_\_\_  
Keizo HAGIHARA, Tadahiro AZUMA and Hirofumi OHUCHI

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  
FUEL PROPERTY JUDGEMENT DEVICE 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) :

(Keizo HAGIHARA) Keizo Hagiwara

(Tadahiro AZUMA) Tadahiro Azuma

(Hirofumi OHUCHI) Hirofumi Ohuchi

August DATE

August 18, 1999

July 26, 1999

July 26, 1999