

Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

01-07-2003



R.

102329879
PATENTS

IEET

jc971 U.S. PTO
10/328050

12/26/02

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

1. Name of conveying party(ies): *12-26-02*
Seiji ASANO; Bunji IGARASHI; and Satoshi YAMAJI
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies)
Name: 1) Hitachi, Ltd. **AND** 2) Hitachi Car Engineering Co., Ltd.
Street Address: 1) 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan; **AND** 2) 2477, Takaba, Hitachinaka-shi, Ibaraki, Japan
Additional name(s) & address(es) attached?
 Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: August 28, 2002

4. Application number(s) or patent number(s): *10,328,050*
If this document is being filed together with a new application, the execution date of the application is: August 28, 2002

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
CROWELL & MORING, L.L.P.
P.O. Box 14300
Washington, D.C. 20044-4300

6. Total number of applications and patents involved: one
7. Total Fee (37 CFR 3.41): \$ 40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323
 Authorized to be charged to Deposit Account

8. Deposit Account No. _____ (Attach dupl. copy of this page if paying by Deposit Account)

DO NOT WRITE IN THIS SPACE

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.

[Signature]
James F. McKeown

25,406
Reg. No.

December 26, 2002
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 2

DO NOT USE THIS SPACE

Do not detach this portion

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

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

01/06/2003 DBYRNE 00000166 10328050

01 FC:8021

40.00 DP

ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Seiji ASANO, Bunji IGARASHI, and Satoshi YAMAJI, citizens of Japan by HITACHI, LTD., and Hitachi Car Engineering Co., Ltd., corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 2477, Takaba, Hitachinaka-shi, Ibaraki, Japan, respectively,

receipt of which is hereby acknowledged, we, the said Seiji ASANO, Bunji IGARASHI, and Satoshi YAMAJI, do hereby sell and assign to said HITACHI, LTD., and Hitachi Car Engineering Co., Ltd., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to ENGINE FUEL CONTROL DEVICE AND CONTROL METHOD FOR REQUESTED IDLE AIR QUANTITY invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and Hitachi Car Engineering Co., Ltd., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi Car Engineering co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1)	Seiji ASANO	<u>Seiji Asano</u>	<u>08/28/2002</u>
2)	Bunji IGARASHI	<u>Bunji Igarashi</u>	<u>08/28/2002</u>
3)	Satoshi YAMAJI	<u>Satoshi Yamaji</u>	<u>08/28/2002</u>
4)			
5)			
6)			
7)			
8)			
9)			
10)			