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100913662

To the Honorable Commissioner, __
original documents or copy thereof.

Please record the attached (s).

16511 U.S. P. #0
09/199578
11/25/98

REC 11-25-98

1. Name of conveying party(ies):
Kousaku SHIMADA and Takeshi ATAGO

Additional name(s) of conveying party(ies) attached?
__ yes X no

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

Name: Hitachi, Ltd.

Internal Address:

Street Address: 6, Kanda Surugadai 4-chome Chiyoda-ku

City State Zip
Tokyo Japan 101-8010

Additional name(s) & address(es) attached?
__ yes X no

3. Nature of Conveyance:

X Assignment __ Merger
__ Security Agreement __ Change of Name
__ Other:

Execution Date: November 4, 1998

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: November 4, 1998

A. Patent Application No.(s)

B. Patent No(s).

09/199578 Not Yet Assigned

Additional numbers attached? __ Yes X No

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

James F. McKeown, Esquire
Evenson, McKeown, Edwards & Lenahan,
P.L.L.C.
1200 G Street, N. W., Suite 700
Washington, D. C. 20005-3814

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
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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 F. McKeown 25,406
Name Reg. No.

Signature

November 25, 1998
Date

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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd. of 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

CONTROL APPARATUS FOR A DIRECT INJECTION ENGINE AND CONTROL METHOD OF THE ENGINE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, ~~Serial No. xxxxxxxxxxxxxxxxx filed xxxxxxxxxxxxxxxxx~~, executed by us 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.

, its 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

(Full Name)

(Signature)

1) Date November 4, 1998 Inventor Kousaku Shimada *Kousaku Shimada*
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3) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____

4) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____

5) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____

Witness(es)

All) Mari Yamagata 2) _____ 4) _____
1) _____ 3) _____ 5) _____