

10-12-1999



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

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Attorney Docket No. 381AS/47997

PATENTS ONLY

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

1. Name of conveying party(ies):

- (1) Katsuji MARUMOTO
(2) Masatoshi HOSHINO
(3) Ryoza MASAKI
(4) Minoru OHSUGA
(5) Mitsuru WATABE

10/4/99

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

___ yes X no

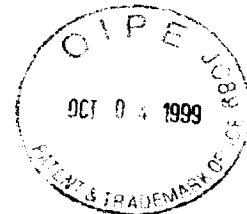
2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.

Street Address: 6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo 101-8010,
JAPAN

Additional name(s) & address(es) attached?

___ yes X no



3. Nature of Conveyance:

- X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other:

Execution Date: August 30, 1999
(as to all)

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: ==

A. Patent Application No.(s)

09/346,578

B. Patent No(s).

Additional numbers attached? ___ Yes X No

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

Gary R. Edwards
Evenson, McKeown, Edwards
& Lenahan, P.L.L.C.
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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.

Name Gary R. Edwards Reg. No. 31,824

October 4, 1999
Date

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ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to "ELECTRONIC THROTTLE VALVE CONTROL APPARATUS"

* U.S. Serial No. (not yet assigned) filed on July 2, 1999
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, 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., 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.

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)	Witnesses (立会人サイン)
1) Katsuji Marumoto (Katsuji MARUMOTO)	August 30, 1999	Mari Yamagata
2) Masatoshi Hoshino (Masatoshi HOSHINO)	August 30, 1999	Mari Yamagata
3) Ryozo Masaki (Ryozo MASAKI)	August 30, 1999	Mari Yamagata
4) Minoru Ohsuga (Minoru OHSUGA)	August 30, 1999	Mari Yamagata
5) Mitsuru Watabe (Mitsuru WATABE)	August 30, 1999	Mari Yamagata
6)		
7)		
8)		
9)		
10)		