

FORM PTO-1595 (modified)

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Patent and Trademark Office

To the Director of the United States Patent and Trademark Office, 102505672, attached original documents or copies thereof.

1. Name of conveying party(ies):

Isamu IIZUKA (06/26/03)  
Kenichi MACHIDA (06/24/03)

7.14.03

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

HITACHI UNISIA AUTOMOTIVE, LTD.  
1370, Onna  
Atsugi-shi, Kanagawa Japan

19704 U.S. PTO  
10/617785  
07/14/03

Additional conveying party(ies) attached? NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:  
See dates above

Additional name(s) & address(es) attached? NO

4. Application number(s) or patent number(s):

10617785

If this is being filed together with a new application, the execution date of the application is: June 24 and 26, 2003

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

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

Pavan K. Agarwal  
FOLEY & LARDNER  
Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5143

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check 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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Pavan K. Agarwal

July 14, 2003

Name of person signing

Signature

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

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# ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

Hitachi Unisia Automotive, Ltd., 1370 Onna, Atsugi-shi, Kanagawa JAPAN

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention

APPARATUS AND METHOD FOR CONTROLLING INTAKE AIR AMOUNT OF INTERNAL COMBUSTION ENGINE as set forth in his United States Patent Application

check one

- executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: Isamu IIZUKA	Signature: <i>Isamu Iizuka</i>	Date: 06/26/03
Name: Kenichi MACHIDA	Signature: <i>Kenichi Machida</i>	Date: 06/24/03
Name:	Signature:	Date:
Name:	Signature:	Date:
Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name: Nobuko KURITA	Signature: <i>Nobuko Kurita</i>	Date: 06/26/03
Name: Miyabi SHISHIKURA	Signature: <i>M. Shishikura</i>	Date: 06/24/03

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