

06-06-2002

Atty. Dkt. No. 088473-0104

FORM PTO-1595 (modified)

(Rev 6-93)

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

Yoshiaki KATOU
 Isamu OHTAKE
 Takeshi MIYAGI

5-31-02

Additional conveying party(ies) NO

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

JATCO Ltd
 700-1, Imaizumi, Fuji-shi
 Shizuoka 417-8585
 Japan

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

JC997 U.S. PTO
 10/157873
 05/31/02

3. Nature of conveyance:

ASSIGNMENT

Execution Date:
 May 24, 2002

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

If this is being filed together with a new application, the execution date of the application is: May 24, 2002

A. Patent Application Number(s):
 Unassigned
 10,157,873

B. Patent Number(s):

Additional numbers attached? NO

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

Richard L. Schwaab
 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

Charge to deposit account

8. Deposit account number: 19-0741

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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.

Richard L. Schwaab
 Richard L. Schwaab

Name of person signing

[Signature] 34371

Signature

May 31, 2002

Date

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

06/03/2002 HLE333 00000051 10157873
 02 FC:581 40.00 OP

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

JATCO Ltd
700-1, Imaizumi, Fuji-shi,
Shizuoka 417-8585 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

HYDRAULIC SYSTEM FOR AUTOMATIC TRANSMISSION FOR VEHICLE HAVING IDLE-STOP CONTROL

as set forth in his/her United States Patent Application

check one

- (X) executed concurrently herewith
- () executed on _____
- () Serial No. _____ Filed _____

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, 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 be 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/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she 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, reexaminations, 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

Yoshiaki Katou date 05/24/2002 Isamu Ohtake date 05/24/2002
 Name: Yoshiaki Katou Name: Isamu Ohtake

Takeshi Miyagi date 05/24/2002 _____ date _____
 Name: Takeshi Miyagi Name: _____