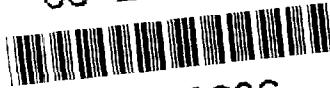


03-20-2002



102023696

Docket No.: TIC-0023

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

1. Name of conveying party(ies):

Shiro Hayashi *03/06/02* **February 25, 2002**
 First Assignor Date of Execution

Minoru Mera **February 25, 2002**
 Second Assignor Date of Execution

Hideki Mizutani **February 25, 2002**
 Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? () YES (X) NO

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

Name: **Kabushiki Kaisha Toyota Jidoshokki**

Address: **2-1, Toyoda-cho, Kariya-shi, Aichi-ken, 448-8671, Japan**

Additional name(s) & address attached? () YES (X) NO

J1040 U.S. PRO
 10/091799
 02/06/02

3. Nature of Conveyance (check only one):

(X) New Assignment () Merger
 () License Agreement () Security Agreement
 () Change of Name () Other:

() Cross-reference of Assignment filed in United States Application No. ___/___/___, recorded on ___ at Reel No. ___ and Frame No. ___

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:
Filed Herewith. (TIC-0023)

Patent Nos.:
N/A.

Date application was signed by the first named executing inventor

February 25, 2002

(Fill-in this date only if assignment is filed together with a new application)

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

Name: **Michael P. Dunnam, Esquire**
WOODCOCK WASHBURN LLP
 One Liberty Place - 46th Floor
 Philadelphia, Pennsylvania 19103-7301
 215-568-3100

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 3.41):.....\$40.00
 (X) Enclosed
 () Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

03/19/2002 DBYRNE 00000221 10091799
 01 FC:581 40.00 0P

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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.

Michael P. Dunnam; Reg. No. 32,611

March 6, 2002

Name of Person Signing/Reg. No.

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 2

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

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

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

KABUSHIKI KAISHA TOYOTA JIDOSHOKKI

2-1, Toyoda-cho, Kariya-shi, Aichi-ken, 448-8671, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

A FOREIGN MATTER REMOVING STRUCTURE IN

A FLUID CIRCUIT AND A COMPRESSOR THEREWITH

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____;

(b) filed on 03/06/02
Serial No. _____;

_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) Shiro Hayashi Shiro Hayashi February 25, 2002
(SIGNATURE) (TYPE NAME) (DATE)

2) Minoru Mera Minoru Mera February 25, 2002
(SIGNATURE) (TYPE NAME) (DATE)

3) Hideki Mizutani Hideki Mizutani February 25, 2002
(SIGNATURE) (TYPE NAME) (DATE)

4) _____ _____ _____
(SIGNATURE) (TYPE NAME) (DATE)

5) _____ _____ _____
(SIGNATURE) (TYPE NAME) (DATE)

6) _____ _____ _____
(SIGNATURE) (TYPE NAME) (DATE)

7) _____ _____ _____
(SIGNATURE) (TYPE NAME) (DATE)

8) _____ _____ _____
(SIGNATURE) (TYPE NAME) (DATE)