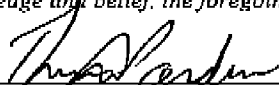


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3. A. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other Record to correct Assignor address on an assignment document previously recorded on <u>May 14,</u> <u>2003, reel 014068 / frame 0208</u> B. Execution Date: <u>All) August 29, 2003</u>					
4. A. If this document is being filed together with a new application, the execution date of the application is: _____ B. Patent Application No. <u>10/231,011</u> C. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320		6. Total number of applications and patents involved: <u>1</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$ <u>40.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.			
9. Statement and signature. <i>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.</i>  James A. Oliff Registration No. 27,075 Thomas J. Pardini Registration No. 30,411 Date: <u>December 10, 2003</u> Total number of pages including cover sheet, attachments, and document: <u>7</u>					

05-19-2003

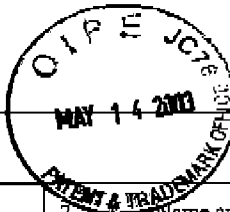


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1. A. Name of conveying parties:
 Yoshikazu SHINPO
 Isao TAKAGI
 Shigetaka YOSHIKAWA
 Hiromichi MURAKAMI
 Daisuke YAMAMOTO
 B. Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

2. A. Name and address of receiving parties:
 TOYOTA JIDOSHA KABUSHIKI KAISHA
 1, TOYOTO-CHO, TOYOTA-SHI,
 AICHI-KEN, 471-8571, JAPAN
 AISAN KOGYO KABUSHIKI KAISHA
 1-1, KYOWA-CHO 1-CHOME, OBU-SHI,
 AICHI-KEN 474-8588 JAPAN

3. A. Nature of conveyance:
☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other Record to correct Assignor name on an
assignment document previously recorded on
September 3, 2002, reel 013253 / frame 0812
 B. Execution Date: All August 29, 2003

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☐ Yes ☒ No

4. A. If this document is being filed together with a new application, the execution date of the application is: _____

B. Patent Application No. 10/231,011

C. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

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8. Credit any overpayment or charge any underpayment to
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James A. Oliff
 James A. Oliff Registration No. 27,975
 Thomas J. Pardini Registration No. 30,411

Date: May 14, 2003

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1. A. Name of conveying parties:
Yoshikazu SHINPO
Isao TAKAGI
Shigetaka YOSHIKAWA
Hiromichi MURAKAMI
Daisuke YAMAOTO
- B. Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No
2. A. Name and address of receiving party:
1) TOYOTA JIDOSHA KABUSHIKI KAISHA
1, TOYOTA-CHO, TOYOTA-SHI,
AICHI-KEN, 471-8571 JAPAN
2) AISAN KOGYO KABUSHIKI KAISHA
1-1, KYOWA-CHO 1-CHOME, OBU-SHI,
AICHI-KEN 474-8588 JAPAN

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☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____
- B. Execution Date: August 29, 2002
- B. Additional name(s) & address(es) attached?
☐ Yes ☒ No

4. A. If this document is being filed together with a new application, the execution date of the application is: August 29, 2002
- B. Patent Application No.(s) _____
- C. Patent No.(s) _____
- 10/23/01 Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: James A. Oliff
Address: OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320
6. Total number of applications and patents involved: 1
7. A. Total fee (37 CFR 3.41).....\$ 40.00
B. Enclosed (Check No. 134008)
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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 A. Oliff
James A. Oliff Registration No. 27,075
Thomas J. Pardini Registration No. 30,411

Date: September 3, 2002Total number of pages including cover sheet, attachments, and document: 3

09/06/2002 T13421

00000163 10231011

01 FC:581

40.00 00

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) jointly to TOYOTA JIDOSHA KABUSHIKI KAISHA, which has a business office at 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan, and AISAN KOGYO KABUSHIKI KAISHA, which has a business office at 1-1, Kyowa-cho 1-chome, Obu-shi, Aichi-ken 474-8588 Japan (hereinafter referred to as "ASSIGNEES"), the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

ENGINE COOLING SYSTEM

(File No. 113619) for which I (we) have executed an application for a United States Letters Patent on August 29, 2002 (Application Serial No. _____ filed on September 3, 2002.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEES.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my (our) signature(s).

1) Yoshikazu Shinpo Date: August 29, 2002
Name: Yoshikazu SHINPO

2) Isao Takagi Date: August 29, 2002
Name: Isao TAKAGI

3) Shigetaka Yoshikawa Date: August 29, 2002
Name: Shigetaka YOSHIKAWA

4) Hiromichi Murakami Date: August 29, 2002
 Name: Hiromichi MURAKAMI

5) Daisuke Yamamoto Date: August 29, 2002
 Name: Daisuke YAMAMOTO

Witness: Takanori Nakada Date: August 29, 2002
 Name:

Witness: Masatoshi Sugiura Date: August 29, 2002
 Name: