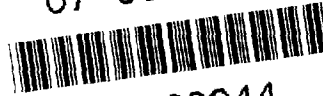


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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

Name of Conveying Party(ies):

Additional names of conveying parties attached  
**Kazumi OGAWA**

2. Name and Address of Receiving Party(ies):

Name: **Aisin Seiki Kabushiki Kaisha**

Internal Address:

Street Address:  
**1, Asahi-machi 2-chome  
Kariya City 448, Japan**

Nature of Conveyance:

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

Execution Date: May 24, 2001

4. (a) Patent Application Number(s):

**09/847,281**

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

Additional Numbers Attached.

4. (b) Patent Numbers:

5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: **Stanley P. Fisher**  
  
Address: **Reed Smith Hazel Thomas LLP**  
3110 Fairview Park Dr.  
Suite 1400  
Falls Church, Va. 22042

6. Total Number of Applications and Patents Involved: 1

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

- Enclosed.
- Authorized to be charged to deposit account.

8. Deposit Account Number:

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

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9. Statement and Signature:

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

Stanley P. Fisher, Registration No. 24,344

July 2, 2001

Total number of pages comprising cover sheet:

07/06/2001 TD1A7A 00000156 09847281

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ASSIGNMENT

WHEREAS, **Kazumi OGAWA**, whose post office addresses appear below (hereinafter referred to as ASSIGNOR), have invented certain new and useful improvements in a VARIABLE VALVE TIMING SYSTEM, (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on May 3, 2001, **Application Number** 09/847,281 .

WHEREAS, **Aisin Seiki Kabushiki Kaisha**, whose post office address is **1, Asahi-machi 2-chome, Kariya City 448, Japan** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNOR, by these presents do sell, assign and transfer until said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

**Kazumi OGAWA**  
**97-3, Tanada, Wakabayashihigashi-cho**  
**Toyota-shi Aichi-ken, Japan**

*Kazumi Ogawa*

Signature

May 24, 2001

Date