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To the Director of the U.S. Patents a.

Use this form to file the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Seiji KUWAHARA
Masato KAIGAWA

Execution Date(s) November 1, 2004

Additional name of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: TOYOTA JIDOSHA KABUSHIKI KAISHA

Internal Address:

Street Address: 1, Toyota-cho, Toyota-shi

City: Aichi-ken, 471-8571

State:

Country: JAPAN

Zip:

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

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

A. Patent Application No.(s)

B. Patent No.(s)

This document is being filed together with a new application.

Additional numbers attached? Yes No

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

Name: David J. Zibelli

Internal Address: Suite 700

Street Address:

1500 K Street, NW

City: Washington

State: DC

Zip: 20005-1257

Phone Number : 202/220-4200

Fax Number: 202/220-4201

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 11-0600

Authorized User Name _____

9. Signature

David J. Zibelli

12/10/04

Signature

Date

12/22/2004 6TOM11 00000149 110600 11068738
01 FC:0021 40.00 BA

Total number of pages including cover sheet, attachments, and documents 4

Name of Person Signing: David J. Zibelli (Reg. No. 36,394)

17548 U.S. PTO
11/08/39



121004

ASSIGNMENT

WHEREAS, we, Seiji KUWAHARA and Masato KAIGAWA,
citizens of Japan, residing at Toyota-shi, Aichi-ken, Japan and Toyota-shi, Aichi-
ken, Japan, respectively, have invented new and useful improvements in
CONTROL APPARATUS AND CONTROL METHOD FOR VEHICLE

_____ for which we are about to
make application for Letters Patent of the United States, said application having
been executed by us on even date herewith; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a
Company of Japan, having its place of business at 1, Toyota-cho, Toyota-shi,
Aichi-ken, 471-8571 Japan (hereinafter referred to as the Assignee), is desirous of
acquiring the entire right, title and interest in and to the application and the
invention therein described and claimed and any Letters Patent that may be
issued upon the application or for the improvements therein contained.

NOW, THEREFORE, for and in consideration of the equivalent sum of One
Dollar (\$1.00) to us in hand paid, the receipt and sufficiency whereof is hereby
acknowledged, we have sold, assigned and transferred, and do hereby sell, assign
and transfer unto the Assignee, its successors and assigns, the entire right, title
and interest in and to the application and the invention therein contained,
including the right to apply for any Letters Patent in the United States of
America on the invention, any Letters Patent that may issue thereon or therefor,
in the United States, and all reissues, extensions, renewals, divisions and
continuations thereof, to the full end of the term or terms for which the Letters
Patent may be issued, the same to be held and enjoyed by the Assignee, its

successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _

1 day of November, 2004.

Seiji Kuwahara

(Seiji KUWAHARA)

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _

1 day of November, 2004.

Masato Kaigawa

(Masato KAIGAWA)

WITNESSED BY:

Hideaki Otsubo

Name Hideaki OTSUBO

Address