

FORM PTO-1585

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

<p>1. Name of conveying party(ies): <u>01/23/02</u> Eiji SATO, Hidco NAKAI and Hiroki OHTANI Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u> Internal Address: _____ Street Address: <u>1, Toyota-cho, Toyota-shi</u> <u>Aichi-ken, 471-8571, Japan</u></p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution date: <u>January 9, 2002</u></p>	<p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

11002 U.S. PTO
10/052738
01/23/02

4. Application numbers or patent numbers:
If this document is being filed together with a new application, the execution date of the application is:
January 23, 2002.

<p>A. Patent Application No.(s):</p>	<p>B. Patent No.(s)</p>
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Additional Numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mark H. Neblett</u> Internal Address: <u>KENYON & KENYON</u> Street Address: <u>1500 K Street, N.W., Suite 700</u> City: <u>Washington, D.C.</u> ZIP: <u>20005-1257</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____ <u>11-0600</u></p>
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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.

<p><u>Mark H. Neblett (Reg. No. 42,028)</u> Name of Person Signing</p>	<p> Signature</p>	<p><u>January 23, 2002</u> Date</p>
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Total Number of pages including cover sheet, attachments and document: **6**

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PATENT
REEL: 012529 FRAME: 0817

ASSIGNMENT

WHEREAS, we, Eiji Sato, Hideo Nakai and Hiroki Ohtani, citizens of Japan, all residing at Toyota-shi, Aichi-ken, Japan, c/o KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO of 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan and c/o KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO of 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan, respectively, have invented new and useful improvements in MOTOR DRIVER CIRCUIT AND METHOD OF CONTROLLING THE MOTOR DRIVER CIRCUIT 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

9 day of January, 2002.

Eiji Sato

EIJI SATO

(Name of Inventor)

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

9 day of January, 2002.

Hideo Nakai

HIDEO NAKAI

(Name of Inventor)

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

9 day of January, 2002.

Hiroki Ohtani

HIROKI OHTANI

(Name of Inventor)

WITNESSED BY:

Sumiharu Hanoto

Name

Address