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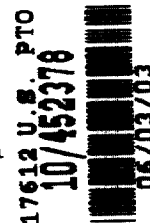
To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

6.3.03
 Junichi KAWASHIMA (05/06/03)
 Naoya TSUTSUMOTO (05/08/03)
 Munehiro TABATA (05/06/03)
 Makoto OTAKE (05/06/03)

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

NISSAN MOTOR CO., LTD.
 2, Takara-cho, Kanagawa-ku
 Yokohama-shi, Kanagawa Japan



Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

See dates above

Additional name(s) & address(es) attached? NO

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

10452378

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

May 6 and 8, 2003

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

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

Richard L. Schwaab
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6. Total number of applications/patents involved: 1

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

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JUN 03 2003

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and NISSAN MOTOR CO., LTD.
address of 2, Takara-cho, Kanagawa-ku, Yokohama-shi,
assignee Kanagawa, JAPAN

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

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invention

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<i>NAMES AND SIGNATURES OF INVENTORS</i>		
Name: Junichi KAWASHIMA	Signature: <i>Junichi Kawashima</i>	Date: <i>5/6/2003</i>
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Name: Makoto OTAKE	Signature: <i>Makoto Otake</i>	Date: <i>5/6/2003</i>
Name:	Signature:	Date:
<i>NAMES AND SIGNATURES OF WITNESSES</i>		
Name:	Signature:	Date:
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