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To the Honorable Commissioner:
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1. Name of conveying party(ies):

1. Shinya SATOU
2. Satoshi SHIMADA
3. Atsuo WATANABE
4. Yasuo ONOSE
5. Seiji KURYU
6. Atsushi MIYAZAKI
7. Junichi HORIE
8. Naohiro MOMMA

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

NRD
12-26-01

2. Name and address of receiving party(ies)

Name: HITACHI, LTD.
 Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan
 And;
 Name: Hitachi Car Engineering Co., Ltd.
 Street Address: 2477, Takaba, Hitachinaka-shi, Ibaraki, Japan

09936480

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: 1. August 29, 2001
 2. August 29, 2001
 3. September 3, 2001
 4. September 4, 2001
 5. September 10, 2001
 6. August 29, 2001
 7. August 29, 2001
 8. August 29, 2001

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

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

A. Patent Application No.(s)
09/936,480

B. Patent No(s).

Additional numbers attached? Yes No

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

CROWELL & MORING, L.L.P.
 P.O. Box 14300
 Washington, D.C. 20044-4300

6. Total number of applications and patents involved:

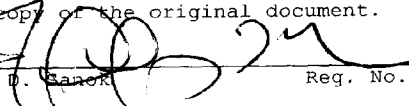
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.


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ASSIGNMENT
(讓渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Shinya SATOU, Satoshi SHIMADA, Atsuo WATANABE, Yasuo ONOSE, Seiji KURYU, Atsushi MIYAZAKI, Junichi HORIE, Naohiro MOMMA, citizens of Japan by HITACHI, LTD., and Hitachi Car Engineering Co., Ltd., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 2477, Takaba, Hitachinaka-shi, Ibaraki, Japan, respectively, receipt of which is hereby acknowledged, we, the said Shinya SATOU, Satoshi SHIMADA, Atsuo WATANABE, Yasuo ONOSE, Seiji KURYU, Atsushi MIYAZAKI, Junichi HORIE, Naohiro MOMMA, do hereby sell and assign to said HITACHI, LTD., and Hitachi Car Engineering Co., Ltd., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

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invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and Hitachi Car Engineering Co., Ltd.,

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi Car Engineering Co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Shinya SATOU <i>Shinya Sato</i>	<i>August 29, 2001</i>
2) Satoshi SHIMADA <i>Satoshi Shimada</i>	<i>August 29, 2001</i>
3) Atsuo WATANABE <i>Atsuo Watanabe</i>	<i>September 3, 2001</i>
4) Yasuo ONOSE <i>Yasuo Onose</i>	<i>September 4, 2001</i>
5) Seiji KURYU <i>Seiji Kuryu</i>	<i>September 10, 2001</i>
6) Atsushi MIYAZAKI <i>Atsushi Miyazaki</i>	<i>August 29, 2001</i>
7) Junichi HORIE <i>Junichi Horie</i>	<i>August 29, 2001</i>
8) Naohiro MOMMA <i>Naohiro Momma</i>	<i>August 29, 2001</i>
9)	
10)	