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Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231	05-06-1999  101029831	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Attorney Docket No. <u>102959</u>
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To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying parties: 1. Shigeru SAKAMOTO 2. Yutaka OHNUMA 3. Kenji ITOH 4. Masakuni SUZUKI 5. Kouichi SAWADA 6. Hiroshi ISONO 7. Noboru NOGUCHI B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. A. Name and address of receiving party: TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO, TOYOTA-SHI AICHI 471-8571 JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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3. A. 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 _____ B. Execution Date: <u>March 4, 1999</u>	
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4. A. If this document is being filed together with a new application, the execution date of the application is: <u>March 4, 1999</u>		
B. Patent Application No.(s) _____	C. Patent No.(s) _____	
09254689 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: <u>OLIFF & BERRIDGE, PLC</u> <u>P.O. Box 19928</u> <u>Alexandria, VA 22320</u>	6. Total number of applications and patents involved: <u>1</u> 7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u> B. Enclosed (Check No. <u>66931</u>) 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.
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9. Statement and signature. <i>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.</i>	
<u>MOliff</u> James A. Oliff, Registration No. 27,075 Murat Ozgu, Registration No. 44,275	Date: <u>March 15, 1999</u>
Total number of pages including cover sheet, attachments, and document: <u>2</u>	

ASSIGNMENT

(1-8) **Insert Name(s) of Inventor(s)**

(1) Shigeru SAKAMOTO (5) Kouichi SAWADA
 (2) Yutaka OHNUMA (6) Hiroshi ISONO
 (3) Kenji ITOH (7) Noboru NOGUCHI and
 (4) Masakuni SUZUKI (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) **Insert name of Assignee** (9) TOYOTA JIDOSHA KABUSHIKI KAISHA
 (10) **Insert address of Assignee** (10) of 1, Toyota-cho, Toyota-shi, AICHI 471-8571, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) **Insert Identification of Invention, such as Title, Case Number or Foreign Application Number** (11) BRAKING SYSTEM
 _____ (Case No. PCT/JP97/03348)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) **Insert Date of Signing of Application** (12) on March 4, 1999

(13) **Alternative identification for filed applications** (13) U.S. application Serial Number _____
 filed _____

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Shigeru Sakamoto</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Yutaka Ohnuma</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Kenji Ito</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Masakuni Suzuki</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Kouichi Sawada</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Hiroshi Isono</u>	(SEAL)
Date	<u>MAR/04/1999</u>	Name of Inventor	<u>Noboru Noguchi</u>	(SEAL)
Date	_____	Name of Inventor	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date MAR/04/1999 Witness Masayuki Soga
 Date MAR/04/1999 Witness Taro Onishi