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07-06-1998

DEPARTMENT OF COMMERCE
Patent and Trademark Office

Pat. No. 100141

100754824

To the Assistant Commissioner of Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying party(ies): <u>WED 6-25-98</u> 1) Toshifumi TAKAOKA 2) Takahiro NISHIGAKI 3) Masakiyo KOJIMA 4) Hiroshi KANAI 5) Kenichi NAGASE 6) Shinichi ABE 7) Yukio KOBAYASHI 8) Katsuhiko YAMAGUCHI 9) Osamu HARADA B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		2. A. Name and address of receiving party(ies): TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571 JAPAN
3. A. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other _____ B. Execution Date: <u>May 15, 18, 22 and June 1 and 10, 1998.</u>	B. Additional name(s) & address(es) attached? ☐ Yes ☒ No	
4. A. If this document is being filed together with a new application, the execution date of the application is: _____ B. Patent Application No.(s) 09/042,188 C. Patent No.(s) _____ Additional numbers attached? ☐ Yes ☒ 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>60301</u>) 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.	
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. <u>James A. Oliff</u> Registration No. 27,075 <u>Jay A. Stelacone</u> Registration No. P-42,168 Date: <u>June 25, 1998</u> Total number of pages including cover sheet, attachments, and document: <u>3</u>		

PATENT
REEL: 9275 FRAME: 0466

ASSIGNMENT

- (1-8) Insert Name(s) of Inventor(s)
- (1) Toshifumi Takaoka (5) Kenichi Nagase
 (2) Takahiro Nishigaki (6) Shinichi Abe
 (3) Masakiyo Kojima (7) Yukio Kobayashi and
 (4) Hiroshi Kanai (8) Katsuhiko Yamauchi
- 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) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan
- (hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues, and reexamination certificates that may be granted on the invention known as
- (11) Insert Identification, such as Title, Case Number or Foreign Application Number (11) POWER OUTPUT APPARATUS AND METHOD OF CONTROLLING THE SAME
 (Case No. 100141)
 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 May 14, 15, 18, 22 and June 1 and 10, 1998
- (13) Alternative Identification for filed applications (13) U.S. application Serial Number 09/042,188
 filed March 13, 1998

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary.
 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 or confirm by reissue or reexamination 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 divisional, continuing or reissue applications 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 agreements 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>5/15/98</u>	Name of Inventor <u>Toshifumi Takaoka</u>	(SEAL)
Date <u>5/15/98</u>	Name of Inventor <u>Takahiro Nishigaki</u>	(SEAL)
Date <u>6/1/98</u>	Name of Inventor <u>Kenichi Nagase</u>	(SEAL)
Date <u>5/15/98</u>	Name of Inventor <u>Hiroshi Kanai</u>	(SEAL)
Date <u>6/10/98</u>	Name of Inventor <u>Masakiyo Kojima</u>	(SEAL)
Date <u>5/18/98</u>	Name of Inventor <u>Shinichi Abe</u>	(SEAL)
Date <u>5/18/98</u>	Name of Inventor <u>Yukio Kobayashi</u>	(SEAL)
Date <u>5/22/98</u>	Name of Inventor <u>Katsuhiko Yamauchi</u>	(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 <u>6/10/98</u>	Witness <u>Katsuhiko Yamauchi</u>
Date <u>6/1/98</u>	Witness <u>Kenichi Nagase</u>

PATENT

REEL: 9275 FRAME: 0467

ASSIGNMENT

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

(1) Osamu Harada (5) _____
 (2) _____ (6) _____
 (3) _____ (7) _____ and
 (4) _____ (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) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 in the invention, and in all applications for patent including any and all divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

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

Date <u>5/18/98</u>	Name of Inventor <u>Osamu Harada</u>	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(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 <u>198.5.14</u>	Witness <u>D. Murai</u>
Date <u>198.5.14</u>	Witness <u>Yoshihiko Hyodo</u>

PATENT

RECORDED: 06/25/1998

REF.: 9275 FRAME: 0468