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To the Assistant Commissioner of

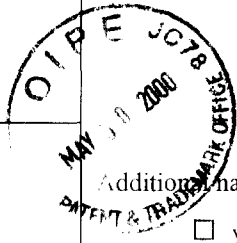
documents or copy thereof.

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1. Name of conveying party(ies):  
Haruyuki KOMETANI, Yoshihito ASAO and Katsumi ADACHI

Name and address of receiving party(ies):  
MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan

Additional name(s) of conveying party(ies) attached?  
 yes  no



3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Names  
 Other

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 yes  no

Execution Date: January 24/26, 2000

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)  
09/493,112

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Robert J. Seas, Jr.  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
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6. Total number of applications and registration involved:  
1  
Total Fee (37 CFR 3.41): \$40.00  
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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

Robert J. Seas, Jr. Reg. No. 21.092

May 30, 2000  
Date

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**PATENT**  
**REEL: 010823 FRAME: 0727**

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Haruyuki KOMETANI, Yoshihito ASAO and Katsumi ADACHI

hereby sells, assigns and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA  
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled ALTERNATOR which was executed by the undersigned on the dates indicated below or was filed on \_\_\_\_\_ and accorded Serial No. \_\_\_\_\_ (hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S):

(Haruyuki KOMETANI) Haruyuki Kometani  
 (Yoshihito ASAO) Yoshihito Asao  
 (Katsumi ADACHI) Katsumi Adachi

DATE

January 26, 2000  
January 24, 2000  
January 24, 2000