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

1. Name of conveying party(ies):
Shigeru SHIROYAMA, Motoi HISAMOTO, Akira
KURAGAKI, Koichiro KAMEI, Takehiro KOBAYASHI
and Hidekazu KATAYAMA
Additional name(s) of conveying party(ies) attached?
 yes no

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

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

Additional name(s) & address(es) attached?
 yes no

10564 U.S. PTO
09/469285
12/22/99

Execution Date: November 30, 1999

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: November 30, 1999
A. Patent Application No. (s)
09,469,285
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
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
1

7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
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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.

Richard C. Turner Reg. No. 29,710 December 22, 1999 Date

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PATENT
REEL: 010509 FRAME: 0560

Assignment

For value received, the undersigned (hereinafter **assignor**), hereby sells, assigns, and transfers to _____
MITSUBISHI DENKI KABUSHIKI KAISHA a corporation of Japan,
having a place of business at 2-3, Marunouchi 2-chome, Chiyoda-ku,
TOKYO 100-8310 JAPAN, its successors,
assigns, and legal representative (hereinafter **assignee**),

(a) assignor's entire right, title, and interest in and to the invention which is disclosed in the application for United States patent, which has been executed concurrently herewith, and is entitled STARTER
_____ invented by **assignor**,

(b) said application and any other applications which are continuations, continuation-in-part, substitutes, or divisions of said application, and

(c) any patent or reissues of any patent that may granted thereon.

Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patents to **assignee**.

Shigeru SHIROYAMA	<i>Shigeru Shiroyama</i>	November 30, 1999
Name	Signature	Date
Motoi HISAMOTO	<i>Motoi Hisamoto</i>	November 30, 1999
Name	Signature	Date
Akira KURAGAKI	<i>Akira Kuragaki</i>	November 30, 1999
Name	Signature	Date
Koichiro KAMEI	<i>Koichiro Kamei</i>	November 30, 1999
Name	Signature	Date
Takehiro KOBAYASHI	<i>Takehiro Kobayashi</i>	November 30, 1999
Name	Signature	Date
Hidekazu KATAYAMA	<i>Hidekazu KATAYAMA</i>	November 30, 1999
Name	Signature	Date