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2. Hiroyuki Takagi  
3. Junichiro Ishikawa  
4. Seiji Okuda  
5. Tatsushi Takahashi  
6. Tomohiko Yao

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January 7, 2000  
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**PATENT**  
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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,

Shigeki YAMAKAWA, Hiroyuki TAKAGI, Junichiro ISHIKAWA,

Seiji OKUDA, Tatsushi TAKAHASHI and Tomohiko YAO

of Tokyo, Japan

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:  
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which was executed by the undersigned on January 7, 2000,  
~~1999~~ or was filed on \_\_\_\_\_, 199\_\_ 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 the  
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.

The Assignee and its agents are hereby authorized to insert in this instrument the filing date and serial number of said application.

It is hereby authorized and requested that the Commissioner of Patents 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.

Signed at Tokyo, Japan

this 7th day of January, 2000., ~~XXXXXXX~~

WITNESS(ES):

INVENTOR(S):

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