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7. Yasumichi HATANAKA  
8. Masato KOYAMA  
9. Takahiro NAGAMINE  
10. Susumu ARAI  
11.  
12.

**Execution Date(s)**

February 9, 2004  
February 9, 2004  
February 9, 2004  
February 4, 2004

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**Receiving Party(ies)**

Name

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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 acknowledged, the undersigned,

Akira MAEDA, Takeyuki MAEGAWA, Shigeru MATSUNO,  
Takuo OZAWA, Takanori SONE, Shoji MIYASHITA,  
Yasumichi HATANAKA, Masato KOYAMA  
and Takahiro NAGAMINE of Tokyo, Japan  
and  
Susumu ARAI of Nagano, Japan

selles, assigns, and transfers to

**MITSUBISHI DENKI KABUSHIKI KAISHA**

of 2-3 Marunouchi, 2-Chome, Chiyoda-Ku, Tokyo 100-8310, Japan,

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

- (i) the application for Unites States Letters Patent entitled:  
METAL ELECTRODE AND BONDING METHOD USING THE METAL ELECTRODE

which was executed by the undersigned on \_\_\_\_\_ or was filed  
on \_\_\_\_\_ and accorded Application No. \_\_\_\_\_ (the  
Application);

- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application (the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

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

Date: February 11, 2004

Akira Maeda  
Akira MAEDA

Date: February 12, 2004

Takeyuki Maegawa  
Takeyuki MAEGAWA

Date: February 10, 2004

Shigeru Matsuno  
Shigeru MATSUNO

Date: February 12, 2004

Takuo Ozawa  
Takuo OZAWA

Date: February 12, 2004

Takanori Sone  
Takanori SONE

Date: February 9, 2004

Shoji Miyashita  
Shoji MIYASHITA

Date: February 9, 2004

Yasumichi Hatanaka  
Yasumichi HATANAKA

Date: February 9, 2004

Masato Koyama  
Masato KOYAMA

Date: February 9, 2004

Takahiro Nagamine  
Takahiro NAGAMINE

Date: February 4, 2004

Susumu Arai  
Susumu ARAI