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Receiving Party						
Name Name Name Address Tokyo City Mark if Additional Names of Receiv Correspondent Name and Address	nome <u>Japan</u> State/Cou		<u>100-8310</u> Zip Code			
Correspondent Name and Address						
Jeffrey A. Wyand Leydig, Voit & Mayer 700 Thirteenth St., N.W. Suite 300 Washington, D.C. 20005-3960		Telephone: (202) 737-6770 Facsimile: (202) 737-6776 Attorney Docket No. 402989/PALMO				
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Fee Amount for Properties Listed (37 CFR 3.41) 40.00 Method of Payment: □ Enclosed is a check in the amount of \$ □ Charge Deposit Account No. 12-1216 Authorization to Charge Additional Fees to Deposit Account No. 12-1216: ☑ Yes □ No						
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached continue true copy of the original document. Charges to deposit account are authorized, as indicated herein.						
Jeffrey A. Wyand	the 80	mul	March 3,	200 \$		
Name of Person Signing	Sigh	ature \	Ďa	ate		
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PATENT

REEL: 015040 FRAME: 0855

Attorney	Docket
No.40298	89/PALMO

Execution Date(s) February 9, 2004

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9. Takahir	. Takahiro NAGAMINE 0. Susumu ARAI 1.			February 9, 200- February 9, 200- February 4, 200-	4 ⊃ Q		
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140111DCI 110	o not been assigned.		PCT	PCT	PCT		

Assignment Tml P2

Conveying Party(ies)
7. Yasumichi HATANAKA

PATENT REEL: 015040 FRAME: 0856

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.

PATENT REEL: 015040 FRAME: 0857 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: Felving 11,2004	Akira Maeola Akira MAEDA
Date: February 12, 2004	Takeyuki Macgawa Takeyuki MAEGAWA
Date: February 10, 2004	Shigera MATSUNO
Date: February 12, 2004	Takus Ozama Takuo OZAWA
Date: February 12. 2009	Takanori Sone Takanori SONE
Date: <u>February 9, 200</u> 4	Shoji Miyashita Shoji MIYASHITA
Date: February 9. 2004	Yasumichi Hatanoka Yasumichi HATANAKA
Date: February 9. 2004	<u>Masata Kayama</u> Masato KOYAMA
Date: February 9. 2004	Takahiro Nagamine Takahiro NAGAMINE
Date: February 4, 2004	Susumu Arai Susumu ARAI

RECORDED: 03/03/2004

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