

7-14-00



PATENT

TO: The Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy(ies).

Conveyance Type

- ☒ Assignment
☐ License
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☐ Security Agreement
☐ Change of Name
☐ Other:

jc586 U.S. PRO
09/617250
07/14/00

Execution Date(s)

- June 22, 2000

Receiving Party

Name	Mitsubishi Denki Kabushiki Kaisha	
Name		
Address	2-3, Marunouchi 2-chome, Chiyoda-ku	
Address		
Address	<u>Tokyo</u>	<u>Japan</u>
	City	State/Country

100-8310
Zip Code

☐ Mark if Additional Names of Receiving Parties Attached

Telephone: (202) 737-6770
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Attorney Docket No. 400767/ASAH

Jeffrey A. Wyand
Leydig, Voit & Mayer, Ltd.
700 Thirteenth St., N.W. Suite 300
Washington, D.C. 20005-3960

Pages	Enter the total number of pages of the attached conveyance document including any attachments:	2
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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Numbers

If this document is being filed together with a *new* Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
6/22/2000

Patent Cooperation Treaty (PCT)

Enter PCT application number *only if* a U.S. Application Number has not been assigned.

PCT	PCT	PCT
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Number of Properties

Enter the total number of properties involved: 1

Free Annuity 00000230 09617250

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment:

- ☒ Enclosed is a check in the amount of \$730.00
☐ Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: ☒ Yes ☐ No

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. Charges to deposit account are authorized, as indicated herein.

Jeffrey A. Wyand

Name of Person Signing

Signature _____

Date _____

PATENT
REEL: 010945 FRAME: 0300

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,

Yoshiharu Takahashi

of c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome,
Chiyoda-ku, TOKYO 100-8310 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:

WIRE BONDING APPARATUS AND WIRE BONDING METHOD FOR SEMICONDUCTOR
DEVICE

which was executed by the undersigned on

June 22, ~~1999~~ 2000 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 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 22nd day of June, ~~19~~2000.

WITNESS(ES):

INVENTOR(S):

Yoshiharu Takahashi