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Masamichi INENAGA  
Shinichi KATSUDA  
Yuji ARINAGA

## 2. Name and address of receiving party(ies):

KABUSHIKI KAISHA YASKAWA DENKI  
2-1, Kurosaki-shiroishi, Yahatanishi-ku  
Kitakyushu-shi, Fukuoka 806-0004 JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Execution Date: November 18, 2004

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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 18, 2004

A. Patent Application No.(s)  
Not Assigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

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PATENT  
REEL: 016817 FRAME: 0620

# ASSIGNMENT

Whereas, I/we Masamichi INENAGA, Shinichi KATSUDA and Yuji ARINAGA  
all of Fukuoka, Japan

hereinafter called assignor(s), have invented certain improvements in

WAFER PRE-ALIGNMENT APPARATUS AND METHOD

and executed an application for Letters Patent of the United States of America therefor on

November 18, 2004; and

Whereas, KABUSHIKI KAISHA YASKAWA DENKI,  
2-1, Kurosaki-shiroishi, Yahatanishi-ku, Kitakyushu-shi,  
Fukuoka 806-0004 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: November 18, 2004 s/ Masamichi INENAGA  
Masamichi INENAGA

Date: November 18, 2004 s/ Shinichi KATSUDA  
Shinichi KATSUDA

Date: November 18, 2004 s/ Yuji Arinaga  
Yuji ARINAGA

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RECORDED: 12/06/2004

PATENT  
REEL: 016817 FRAME: 0621