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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**  
Kojiro KAMEYAMA (01/18/2006), Akira SUZUKI (01/17/2006), Yoshio OKAYAMA (01/16/2006), and Mitsuo UMEMOTO (01/17/2006)  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
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Additional name(s) & address(es) attached:  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s): in parentheses after inventor name  
 Assignment  Merger  Change of Name  
 Security Agreement  Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  
A. Patent Application No.(s) 11/287,484  
B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached?  Yes  No

This document is being filed together with a new application.

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Barry E. Bretschneider MORRISON & FOERSTER LLP  
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**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_ Expiration Date \_\_\_\_\_  
b. Deposit Account Number 03-1952 Authorized User Name Barry E. Bretschneider

**9. Signature:**  
 Signature February 10, 2006 Date  
Barry E. Bretschneider - 28,055 Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: 3

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PATENT  
REEL: 017557 FRAME: 0891

RECORDATION FORM COVER SHEET  
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Additional Assignees (2. Continued):

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Assignee Name: \_\_\_\_\_

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Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers  
4A. Continued:

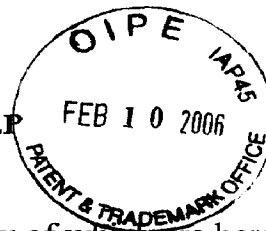
Additional Patent Numbers  
4B. Continued:

Additional numbers attached?

Yes

No

**MORRISON & FOERSTER LLP**



For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

**SANYO ELECTRIC CO., LTD.**  
2-5-5, Keihanhondori  
Moriguchi-shi, Osaka 570-8677 JAPAN

**KANTO SANYO SEMICONDUCTORS CO., LTD.**  
2468-1, 2-chome, Sengoku, Oizumi-machi,  
Ora-gun, Gunma, Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

**CHUCKING METHOD AND PROCESSING METHOD USING THE SAME**

Attorney Docket No.: 492322032800

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 11/287,484

Filing Date: November 28, 2005

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.

3. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Morrison & Foerster LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

Jan 18 2006  
Date

Kojiro Kameyama  
Typed Name: Kojiro KAMEYAMA

Jan. 17, 2006  
Date

Akira Suzuki  
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Jan. 16, 2006  
Date

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Jan 17, 2006  
Date

Mitsuo UMEMOTO  
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