

02-24-2004

Docket No. 2271/71390

FORM PTO-1595 (Substitute)

U.S. DEPARTMENT OF COMMERCE

(Rev. 8-96)

22004



Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

1 documents or copy thereof.

102676465

1. Name of conveying party(ies):

Hitoshi Arita and Akio Kojima

Additional name(s) of conveying party(ies) attached?

Yes  No

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

Name: Ricoh Company, Ltd.

Internal Address:

Street Address: 3-6, Nakamagome 1-chome,

Ohta-ku

City/State/Zip: Tokyo 143-8555, Japan

3. Nature of Conveyance:

- Assignment
- Security Assignment
- Other
- Merger
- Change of Name

Execution Date(s): December 3, 2003; December 3, 2003

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(s) of the application is (are):

A. Patent Application No.(s) 10/701,061  
filed November 4, 2003

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Ivan S. Kavrukov, Esq.  
Internal Address:  
Street Address: Cooper & Dunham LLP  
1185 Avenue of the Americas  
City/State/Zip: New York, New York 10036

6. Total number of applications and patents involved

7. Total fee (37 CFR §3.41): \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

03-3125

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9. 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.

Paul Teng, Reg. No. 40,837  
Name of Person Signing

February 18, 2004  
Date

Total Number of pages including cover sheet, attachments and document: 3

I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Paul Teng, February 18, 2004  
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Date

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PATENT  
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## ASSIGNMENT

*In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,*

*Hitoshi Arita of Kanagawa, Japan, and  
Akio Kojima of Tokyo, Japan*

*Hereby sell, assign and transfer to RICOH COMPANY, LTD., a corporation of Japan, having a place of business at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed, in the application for United States Patent, which was executed by the undersigned concurrently herewith and is entitled*

*SOLDER ALLOY MATERIAL LAYER COMPOSITION, ELECTROCONDUCTIVE AND ADHESIVE COMPOSITION, FLUX MATERIAL LAYER COMPOSITION, SOLDER BALL TRANSFERRING SHEET, BUMP AND BUMP FORMING PROCESS, AND SEMICONDUCTOR DEVICE*

*and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;*

*Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;*

*Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested,*

without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in goodfaith the intent and purpose of this assignment, the under - signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

**COVENANT** with said Assignee, its successors, assigns and legal representa- tives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Hitoshi Arita [L.S.]  
Hitoshi Arita

Date: December 3, 2003

Witness: Mr. Arita

Akio Kojima [L.S.]  
Akio Kojima

Date: Dec. 3, 2003

Witness: Mr. Arita