

Form PTO-1595 (Rev. 10/02)

REC



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings

102448492

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 5-6-03  
1) KOIKE, Hiroko  
2) HIGASHI, Mitsutoshi  
3) SAKAGUCHI, Hideaki

2. Name and address of receiving party(ies)  
Name: SHINKO ELECTRIC INDUSTRIES CO., LTD.  
Internal Address:

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Street Address: 711, Aza Shariden,  
Oaza Kurita, Nagano-shi, Nagano  
380-0921 Japan  
City: State: Zip:

Execution Date: March 25, 2003

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

4. Application number(s) or patent number(s): 10430652 March 25, 2003  
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

6. Total number of applications and patents involved: 1

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

Enclosed  
 Authorized to be charged to deposit account

Internal Address:

8. Deposit account number:

Street Address: c/o Ladas & Parry

224 South Michigan Avenue

City: Chicago State: IL Zip: 60604

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Richard J. Streit  
Name of Person Signing

May 6, 2003  
Date

Reg. 25765

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

10/13/05  
05/06/03

(5/08/2003 JADD01 00000018 10430652  
13 FC:8021 40.00 DP)

---

**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

---

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

**ASSIGNOR:**

1) Hiroko Koike, 2) Mitsutoshi Higashi and 3) Hideaki Sakaguchi  
residing at each c/o SHINKO ELECTRIC INDUSTRIES CO., LTD.,  
711, Aza Shariden, Oaza Kurita, Nagano-shi, Nagano 380-0921 Japan

hereby sells, assigns and transfers to

**ASSIGNEE:**

SHINKO ELECTRIC INDUSTRIES CO., LTD. having a place of business at:  
711, Aza Shariden, Oaza Kurita, Nagano-shi, Nagano 380-0921 Japan

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

TERMINAL, SEMICONDUCTOR DEVICE, TERMINAL FORMING METHOD AND FLIP CHIP  
SEMICONDUCTOR DEVICE MANUFACTURING METHOD

which application was

(a) executed by the undersigned on March 25, 2003

(b) filed as Serial No. \_\_\_\_\_ on \_\_\_\_\_

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and

deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

March 25, 2003

Date

*Hiroko Koike*

INVENTOR Hiroko Koike

March 25, 2003

Date

*Mitsutoshi Higashi*

INVENTOR Mitsutoshi Higashi

March 25, 2003

Date

*Hideaki Sakaguchi*

INVENTOR Hideaki Sakaguchi