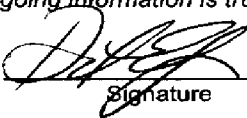


<div style="display: flex; justify-content: space-between;"><div>Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼</div><div style="text-align: center;">RECORDATION FORM COVER SHEET PATENTS ONLY</div><div>U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office</div></div>	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies): Yuka Tamadate 03/04/2005 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3. Nature of conveyance: <div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> Assignment</div><div><input type="checkbox"/> Merger</div></div> <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Security Agreement</div><div><input type="checkbox"/> Change of Name</div></div> <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Other _____</div></div> Execution Date: March 4, 2005	2. Name and address of receiving party(ies) Name: Shinko Electric Industries Co., Ltd. Address: 80, Oshimada-machi Nagano-shi, Nagano 381-2287 Japan Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: _____ <div style="display: flex; justify-content: space-between;"><div>A. Patent Application No.(s) 11/079741</div><div>B. Patent No.(s)</div></div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Spaw Internal Address: Rankin, Hill, Porter & Clark LLP _____ Street Address: 4080 Erie Street _____ City: Willoughby State: Ohio Zip: 44094	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Enclosed</div><div><input checked="" type="checkbox"/> Authorized to be charged to deposit account</div></div> 8. Deposit account number: 18-0160 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="text-align: center;">David E. Spaw Name of Person Signing</div><div style="text-align: center;"> Signature</div><div style="text-align: center;">March 29, 2005 Date</div></div> Total number of pages including cover sheet, attachments, and documents: 4	

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

CH \$40.00 180160 11079741

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in
METHOD FOR MANUFACTURING WIRING BOARD AND SEMICONDUCTOR DEVICE

that are the subject of an application for a U.S. Patent, (Application Number 11/079741,
filed 03/14/2005), which application is further identified as Rankin, Hill, Porter &
Clark LLP Docket No. NGB-16005.

WHEREAS, SHINKO ELECTRIC INDUSTRIES CO., LTD., a corporation of Japan, and
having a place of business at 80, Oshimada-machi, Nagano-shi, Nagano 381-2287, Japan, hereinafter
referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in,
to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency
of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the
world, in, to and under said improvements and inventions and all patents, patent applications, patent
rights, and inventor's certificates thereof, therefor, and therein, including without limitation said
application for patent in the United States, all divisions and continuations thereof, all patents which
may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement
thereunder, all patents which may be granted for said improvements and inventions by states or nations
other than the United States, or by other authority, entity, or organization, and all applications therefor,
have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and
assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and
legal representatives of the undersigned, that at assignee's request any and all applications, affidavits,
assignments, and other instruments will be made, executed, and delivered as may be necessary, or
desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right,
title, interest, application, patent, patent right or other right or property covered by this assignment,
and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to
issue any and all United States patents granted on any of said applications to assignee as owner of the
entire right, title, and interest in, to, and under the same, and appropriately empowered officials of
foreign countries are hereby authorized to issue any letters patent granted on any of said applications
to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert
on this assignment any identification that 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 WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole or joint): Yuka TAMADATE

Signature: Yuka Tamadate

Today's Date: March 4, 2005

Witness: _____

Witness: _____

(2) Inventor Name (joint): _____

Signature: _____

Today's Date: _____

Witness: _____

Witness: _____

(3) Inventor Name (joint): _____

Signature: _____

Today's Date: _____

Witness: _____

Witness: _____

(4) Inventor Name (sole or joint): _____

Signature: _____

Today's Date: _____

Witness: _____

Witness: _____