

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tomoki Kobayashi</td><td>04/17/2006</td></tr><tr><td>Toshiji Shimada</td><td>04/17/2006</td></tr><tr><td>Akinobu Inoue</td><td>04/17/2006</td></tr><tr><td>Atsunori Kajiki</td><td>04/17/2006</td></tr><tr><td>Hiroyuki Kato</td><td>04/17/2006</td></tr><tr><td>Hiroshi Shimizu</td><td>04/17/2006</td></tr></tbody></table>	Name	Execution Date	Tomoki Kobayashi	04/17/2006	Toshiji Shimada	04/17/2006	Akinobu Inoue	04/17/2006	Atsunori Kajiki	04/17/2006	Hiroyuki Kato	04/17/2006	Hiroshi Shimizu	04/17/2006	
Name	Execution Date														
Tomoki Kobayashi	04/17/2006														
Toshiji Shimada	04/17/2006														
Akinobu Inoue	04/17/2006														
Atsunori Kajiki	04/17/2006														
Hiroyuki Kato	04/17/2006														
Hiroshi Shimizu	04/17/2006														
RECEIVING PARTY DATA															
Name:	Shinko Electric Industries Co., Ltd.														
Street Address:	80, Oshimada-machi														
City:	Nagano-shi, Nagano														
State/Country:	JAPAN														
Postal Code:	381-2287														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11380128</td></tr></tbody></table>	Property Type	Number	Application Number:	11380128											
Property Type	Number														
Application Number:	11380128														
CORRESPONDENCE DATA															
Fax Number:	(216)566-9711														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	2165669700														
Email:	docketing@rankinhill.com														
Correspondent Name:	Rankin Hill Porter and Clark														
Address Line 1:	4080 Erie Street														
Address Line 4:	Willoughby, OHIO 44094														
ATTORNEY DOCKET NUMBER:	16641														
NAME OF SUBMITTER:	David E. Spaw														

CH \$40.00 11380128

PATENT

500097981

REEL: 017530 FRAME: 0271

Total Attachments: 3

source=16641#page1.tif

source=16641#page2.tif

source=16641#page3.tif

PATENT

REEL: 017530 FRAME: 0272

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned
in SEMICONDUCTOR APPARATUS AND MANUFACTURING METHOD THEREOF

that are the subject of an application for a U.S. Patent, (Application No. 11/380128
., filed 04/25/2006), which application is further identified as Rankin, Hill,
Porter & Clark LLP Docket No. NGB-16641.

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): Tomoki KOBAYASHI

Signature: Tomoki Kobayashi

Today's Date : April 17, 2006

Witness: _____

Witness: _____

(2) Inventor Name (joint): Toshiji SHIMADA

Signature: Toshiji Shimada

Today's Date : April 17, 2006

Witness: _____

Witness: _____

(3) Inventor Name (joint): Akinobu INOUE

Signature: Akinobu Inoue

Today's Date : April 17, 2006

Witness: _____

Witness: _____

(4) Inventor Name (joint): Atsunori KAJIKI

Signature: Atsunori Kajiki

Today's Date : April 17, 2006

Witness: _____

Witness: _____

(5) Inventor Name (joint): Hiroyuki KATO

Signature: Hiroyuki Kato

Today's Date : April 17, 2006

Witness: _____

Witness: _____

(6) Inventor Name (joint): Hiroshi SHIMIZU

Signature: Hiroshi Shimizu

Today's Date : April 17, 2006

Witness: _____

Witness: _____