12,26.06

103356960

**DEPARTMENT OF COMMERCE** Patent and Trademark Office

10000	OOOO EI
PATEN	TS ONLY
	Attorney Docket No.: 48370-0024
	N: MAIL STOP ASSIGNMENT RECORDATION SERVICES
Please record the attached original documents or copy ther	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
1) Kei MURAYAMA 2) Akinori SHIRAISHI 3) Masahiro SUNOHARA 4) Naoyuki KOIZUMI 5) Hideaki SAKAGUCHI 6) Mitsutoshi HIGASHI 7) Yuichi TAGUCHI	Name: Shinko Electric Industries Co., Ltd.  Address: 80, Oshimada-machi, Nagano-shi Nagano, 381-2287, Japan
Additional names of conveying party(ies) attached?  ☐ Yes ☐ No	Additional name(s) & address(es) attached?
3. Nature of conveyance:	Additional name(s) & address(es) attached?
Assignment	☐ Yes ⊠ No
4. New Application number(s) or patent number(s): NE	WAPPLICATION
If this document is being filed together with a new applicat	ion the execution date of the application is:
(1-7) <u>Decer</u>	mber 18, 2006
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:	6. Total number of applications and patents involved: 1
Name: John G. Smith	7. Total fee (37 C.F.R. §3.41): <u>\$40.00</u> Enclosed  Authorized to be about 45 Deposit Account 50 0573
Internal Address: DRINKER BIDDLE & REATH LLP Customer No. 55694  Street Address: 1500 K. Street, NW., Suite 1100	Authorized to be charged to Deposit Account 50-0573  8. Deposit Account No. 50-0573  (Attach duplicate page if paying by deposit account)
City: Washington State: D.C. Zip: 20005-1209	

Scott J. Anchell, Reg. No. 35,035

Name of Person Signing

9. Statement and Signature

copy of the original document.

Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true

December 26, 2006

Date

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

12/28/2006 DEMMANU1 00000050 11644977

04 FC:8021

DC\588322\1

**PATENT REEL: 018744 FRAME: 0844** 

## ATTORNEY DOCKET NO.:

SOLE/JOINT INVENTION (U.S. Rights Only)

## **ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

made an invention entitied.		
SEMICONDUCTOR DEVICE AND MANUFAC		
SEMICONDUCTOR DEVICE for which I/WE executed an application for Uni	ited States Letters Patent concurrently here	ewith: or filed an
application for United States Letters Patent on	(Serial No. ): and	with, or filed air
application for Chica States Betwie Latent on		
WHEREAS, Shinko Electric Industries	Co., Ltd., a corporation of Japan, whose	post office
address is 80, Oshimada-machi, Nagano-shi, Na	agano, 381-2287, Japan, (hereinafter referr	ed to as
Assignee), is desirous of securing the entire right		
application for United States Letters Patent on t	this invention and the Letters Patent to issu	e upon this
application;	· ·	
NOW THEREFORE he it known that	for good and valuable consideration the re	pagint of which
from assignee is hereby acknowledged, I/WE, a		
and do hereby sell, assign, transfer, and set over		
MY/OUR entire right, title, and interest in and		
continuations thereof, and all Letters Patent of		
reissues thereof; and I/WE hereby authorize and	d request the Commissioner of Patents and	Trademarks of
the United States to issue all Letters Patent for t	this invention to assignee, its successors an	nd assigns, in
accordance with the terms of this Assignment;		
AND I/WE HERERY further coveran	t and agree that I/WE will, without further	consideration
communicate with assignee, its successors and		
invention and testify in any legal proceeding, si		
and deliver all papers that may be necessary or		•
assignee, its successors and assigns, execute all	divisional, continuation, and reissue application	cations, make
all rightful oaths and generally do everything p		
and enforce proper patent protection for this in		
expense incident to the execution of such paper	rs shall be borne by the assignee, its succes	ssors and assigns.
AND I/WE HEREBY authorize and re	equest the attorneys I/WE have empowered	l in the Declaration
and Power of Attorney in this application, to in	sert here in parenthesis (Application No.	, filed
) the filing date and application number of	of said application when known.	
	1 1/2	
IN TESTIMONY WHEREOF, I/WE h	Assignor's Signature	Date
Full Name of Sole or First Assignor	, , •	December 18, 2006
Kei MURAYAMA Address c/o Shinko Electric Industries Co.	I td 80 Oshimada-machi Nagano-	Citizenship
shi, Nagano, 381-2287, Japan	,, 114., 00, 001111111111111111111111111111111	Japan
	Assignor's Signature	Date
Full Name of Second Assignor Akmori (SHIRAISHI)	Akinoni shiraishi	December 18, 2006
Address c/o Shinko Electric Industries Co.	. Ltd., 80, Oshimada-machi, Nagano-	Citizenship
shi, Nagano, 381-2287, Japan		Japan
Names of additional inventors attached XYe	s 🔲 No	

1- WA/1632828.2

1/2

PATENT REEL: 018744 FRAME: 0845

Full Name of Third Assignor	Assignor's Signature	Date
Masahiro SUNOHARA	Masahira Sunohara	December 18, 2006
Address c/o Shinko Electric Industries Co., Ltd., 80, Oshimada-machi, Nagano-		Citizenship
shi, Nagano, 381-2287, Japan		Japan
Full Name of Fourth Assignor	Assignor's Signature	
Naoyuki KOIZUMI	Naozuki KOIZUMI	Date December 18, 2006
Address c/o Shinko Electric Industries Co., Ltd., 80, Oshimada-machi, Nagano-		Citizenship
shi, Nagano, 381-2287, Japan		Japan
Full Name of Fifth Assignor	Assignor's Signature	Date
Hideaki SAKAGUCHI	Idioleaki Sakaquehi	December 18, 2006
Address c/o Shinko Electric Industries Co., Ltd., 80, Oshimada-machi, Nagano-		Citizenship
shi, Nagano, 381-2287, Japan		Japan
Full Name of Sixth Assignor	Assignor's Signature	Date
Mitsutoshi HIGASHI	Mitsuteshi Hisarhi	December 18, 2006
Address c/o Shinko Electric Industries Co., Ltd., 80, Oshimada-machi, Nagano-		Citizenship
shi, Nagano, 381-2287, Japan		Japan
Full Name of Seventh Assignor	Assignor's Signature	Date
Yuichi TAGUCHI	Yuich Taguchi	December 18, 2006
Address c/o Shinko Electric Industries Co., Ltd., 80, Oshimada-machi, Nagano-		Citizenship
shi, Nagano, 381-2287, Japan		Japan
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address	<u> </u>	Citizenship
Address		Citizensinp
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address	<u></u>	Citizenship
Names of additional inventors attached Ye	s ⊠No	

1- WA/1632828.2

**RECORDED: 12/26/2006** 

2/2

**PATENT REEL: 018744 FRAME: 0846**