FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02

08-14-2001



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Docket No.: 182-01

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

▼		▼
documents	or	copy thereof.

To the Honorable Commissioner of Patents and Trademan	*	▼ ▼		
	rks: Please record the attached	original documents or copy thereof.		
Name of conveying party(ies): Michio Horiuchi, Takashi Kurihara		2. Name and address of receiving party(ies):		
00/01/61	Name: Shinko Electric	Industries, Co., Ltd.		
08/06/0/	Address: 711, Aza Shar	iden, Oaza Kurita, Nagano-shi		
Additional names(s) of conveying party(ies) attached?		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
3. Nature of conveyance:		20 m		
★ Assignment ■ Merger		960		
☐ Security Agreement ☐ Change of Name	City: Nagano	State/Prov.:		
☐ Other	Country: Japan	ZIP: 380-0921		
Execution Date: July 26, 2001	Additional name(s) & address(es)	attached? ☐ Yes ☒ No		
4. Application number(s) or registration numbers(s):	9/97707)		
If this document is being filed together with a new application	tion, the execution date of the a	pplication is: July 26, 2001		
Patent Application No. Filing date	B. Patent No.(s)			
· ·	277 4.676 7.69			
Additional number	s attached? 🔲 Yes 🗶 No			
5. Name and address of party to whom correspondence	O T-4-1			
concerning document should be mailed:	6. Lotal number of applicat	ions and patents involved: 1		
Name: John F. McNulty				
Name: John F. McNulty	7. Total fee (37 CFR 3.41):	\$ 40.00		
Name: John F. McNulty Registration No. 23,028	7. Total fee (37 CFR 3.41): Enclosed - Any exce	ss or insufficiency should be		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to	ss or insufficiency should be		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be cha 8. Deposit account number	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street City: Phialdelphia State/Prov.: PA Country: USA ZIP: 19103	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be cha 8. Deposit account number	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street City: Phialdelphia State/Prov.: PA Country: USA ZIP: 19103 08/14/2001 DBYRNE 00000021 09922872 DO NO.	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be cha 8. Deposit account number	ss or insufficiency should be deposit account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street City: Phialdelphia State/Prov.: PA Country: USA ZIP: 19103 08/14/2001 DBYRNE 00000021 09922872 DO NO.	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be chase. 8. Deposit account number 16-0750	ss or insufficiency should be deposit account account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street City: Phialdelphia State/Prov.: PA Country: USA ZIP: 19103 08/14/2001 DBYRNE 0000021 09922872 DO NO. 1910 State-French and signature. To the best of my knowledge and belief, the foregoing info	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be chase. 8. Deposit account number 16-0750	ss or insufficiency should be deposit account account		
Name: John F. McNulty Registration No. 23,028 Address: Paul & Paul 2900 Two Thousand Market Street City: Phialdelphia State/Prov.: PA Country: USA ZIP: 19103 08/14/2001 DBYRNE 00000021 09922872 DO NO.	7. Total fee (37 CFR 3.41): Enclosed - Any exce credited or debited to Authorized to be chase. 8. Deposit account number 16-0750	ss or insufficiency should be deposit account rged to deposit account:		

PATENT

REEL: 012056 FRAME: 0596

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert	SHINKO ELECTRIC INDUSTR	RIES CO., LTD.						
ASSIGNEE's Name(s)	711, Aza Shariden, Oaza	711, Aza Shariden, Caza Kurita, Nagano-shi, Nagano 380-0921, Japan						
Address(es))		And the state of t						
			A SCICNOR hearby cells project					
	(hereinafter "ASSIGNEE"), the receipt o transfers to ASSIGNEE the entire and	f which is hereby acknowledged, the uselusive right, title and interest to the	indersigned ASSIGNOR hereby sells, assigns invention entitled					
(Title of	SEMICONDUCTOR DEVIC	E AND PROCESS OF P	RODUCTION OF SAME					
Invention)								
	relating to International Patent Application PCT/JP and/or for which application for Letters Patent							
	of the United States was executed on eve	n date herewith or, if not so executed	, was:					
Insert date	(a) executed on	; (
of execution of application,	(b) filed on		by authorized to insert in (b) the specified					
f not concurrent)	Serial No/_	; data, when known.						
		4	division and any continuation divis					
	renewal, substitute, reissue or reexaminate Patent(s) may be granted and including a	tion application based thereon, for the	on said application and any continuation, divise full term or terms for which the said Letters reinafter, "said application(s) and Letters					
		Patent(s)").						
	The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of							
	said Letters Patent(s) in any interference	e, reissue, reexamination, or public us	e proceeding, and in any litigation or other le					
	proceeding which may arise or be declared	proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and						
	producing evidence.	tuttono, tutting an inginite seems, person	,,					
	THE WATER THE WATER POOR ALL	e undersigned inventor(s) has (have)	offived his/her/their signature(s)					
	IN WITNESS WHEREOF, in	E undersigned inventor(s) has (have)	attitud mayner, men signature (e).					
	`							
(Signatures)	1) puche Hornich	Michio Horiuchi	July 26, 2001					
	(SIGNATURE)	(TYPE NAME)	(DATE)					
	1) Muchin Hornica (SIGNATURE) 2) Takashi Kurihara	Takashi Kurihara	July 26, 2001					
	(SIGNATURE)	(TYPE NAME)	(DATE)					
	(SIGNATURE)	(TYPE NAME)	(DATE)					
	4)(SIGNATURE)	(TYPE NAME)	(DATE)					
	(513.171.37)	•						
	5)		- CATTO					
	(SIGNATURE)	(TYPE NAME)	(DATE)					
	6)(SIGNATURE)	(TYPE NAME)	(DATE)					
	(
	7)(SIGNATURE)	(TYPE NAME)	(DATE)					

(TYPE NAME)

PATENT REEL: 012056 FRAME: 0597

(DATE)

RECORDED: 08/06/2001

(SIGNATURE)