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To the Director of the United State. Name of conveying party(ies):		2. Name and address of receiving party(ies):					
KATO, Katsuhiro							
		Name: O	ki Electric Inc	dustry Co., Lt	d.		
		Address:	7-12, Torano	mon 1-chome	, Minato-ku	<u>, </u>	
Additional names(s) of conveying party(ies)	☐ Yes ☒ No						
I. Nature of conveyance:							
⊠ Assignment □ Merger							
☐ Security Agreement ☐	Change of Name	City: Tokyo State/Prov.:					
☐ Other		Country:	Japan	7	ZIP: 105-8	460	
Execution Date: March 28, 2007	Additional na	me(s) & address	s(es)	□ Yes	⊠ No		
	(-)						
 Application number(s) or patent number this document is being filed together with 		he ovecutio	n data of the	annlication is	· March	28, 2007	
•					. Waren	20, 2007	
Patent Application No. Filing d	ate	В.	. Patent No.(s	5)			
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of the original document.		0 1	11 1	1			
ADAM C. VOLENTINE	1/2	<u> </u>	'hlan	J	MARCH	29, 2007	
Name of Person Signing	Py# 33,5			2	Date	9	
Total num	ber of pages including co	ver sheet, atta	chments, and do	cument:			

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REEL: 019186 FRAME: 0433

Attorney Reference OF (838

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Katsuniro KATO
hereinafter referred to collectively as the assignor, has invented a certain improvement relating to Semiconductor device
relating to Serriconductor device
[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
[] said application having been filed in the United States Patent and Trademark Office on,
authorization being hereby given to the practitioners associated with the
CUSTOMER NUMBER 20987, Volentine Francos & Whitt, PLLC, 11951 Freedom Drive, Suite 1260, Reston,
VA 20190, to insert here in parentheses (Application Serial No) the application serial number of said application when known;
application serial number of said application when known, [] said application having been filed under the Patent Cooperation Treaty on
Serial No.), the United States of America being designated.
AND WHEREAS Oki Electric Industry Co., Ltd.
of 7-12, Toranomon 1-chome, Minato-ku, Tokyo 105-8460, Japan
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to
said application, including any and all divisions and continuations thereof, and in and to said invention and
any and all patents which may be granted therefor, including any and all renewals, reissues and
prolongations thereof;
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and
valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and
assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions
and continuations thereof, and in and to said invention and any and all patents which may be granted therefor
including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's
successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions
and continuations thereof, and the said invention and any and all patents which may be granted therefor,
including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and
advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all
such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use
and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a
manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been
made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's
successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including
any and all renewals, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue
Letters Patent on said application, and on any and all divisions and continuations thereof,
to said assignee, and said assignee's successors and assigns, in accordance herewith.
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:
VOLENTINE FRANCOS & WHITT, PLLC
All practitioners at Customer Number 20987
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the
invention was made.
EXECUTED, March 28, 2007
WITNESS: ASSIGNOR:
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Signature: Joseph Josh Signature: Katsuhiro Kato
Name: Katsuhiro KATO
Name. <u>Naisunito NATO</u>
VOLENTINE FRANCOS & WHITT, PLLC

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RECORDED: 03/29/2007

PATENT

REEL: 019186 FRAME: 0434