RECORDATION COVER SHEET

NAME OF CONVEYING PARTY:

1) Kazumasa TANIDA, 2) Yoshihiko NEMOTO and 3) Kenji TAKAHASHI

NAME OF RECEIVING PARTY:

1) ROHM CO., LTD.

2) Renesas Technology Corp.3) Kabushiki Kaisha Toshiba

ADDRESS OF RECEIVING PARTY:

1) 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-8585, Japan

2) 4-1, Marunouchi 2-chome, Chiyoda-ku

Tokyo 100-6334, Japan

3) 1-1, Shibaura 1-chome, Minato-ku

Tokyo 105-8001, Japan

NATURE OF CONVEYANCE:

Assignment of U.S. Patent Application

CONVEYANCE EXECUTION DATE:

1) June 29, 2005, 2) June 30, 2005

3) July 6, 2005

PATENT APPLICATION NO.:

11/498,079

PATENT APPLICATION FILING DATE:

August 3, 2006

APPLICATION FILED TOGETHER

WITH THIS DOCUMENT:

NO

CORRESPONDENCE:

RABIN & BERDO, P.C.

ADDRESS

1101 14th Street, N.W., Suite 500

Washington, DC 20005 Customer No: 23995

ATTORNEY REFERENCE:

AI 383D1

TOTAL NUMBER OF PATENTS

AND APPLICATIONS INVOLVED:

One

TOTAL FEE PAID:

\$40.00

METHOD OF PAYMENT:

[X] Enclosed

Should the remittance be accidentally missing or insufficient, the Director is hereby authorized to charge the fee to our Deposit Account No. 18-0002 and is requested to notify us accordingly.

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.

Robert H. Berdo, Jr.

August 19, 2008
Date

Registration No. 38,075

Total number of pages including cover sheet, attachments and document: 10

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Att-	٩ev	Reference	
	7.5	,	

REEL: 021420 FRAME: 0253

ASS, .MENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Wuedese Ka	zumasa	TANIDA.	Yoshihiko NEMOTO and Kenji TAKAHASHI
•			has invented a certain improvement
TIESTERIZATES TOTOTTOG TO T	.ooo(,, 0,, ao	the designer,	
SEMICON DEVICE	DUCTOR CH MANUFACT	IP MANUFA JRING METH	CTURING METHOD, SEMICONDUCTOR CHIP, SEMICONDUCTOR IOD, AND SEMICONDUCTOR DEVICE
	ation for said	application be	ing executed concurrently with the execution of this instrument; said
(Red. No. 38,075), . P	hillio G. Avru	ch (Rea. No.	States Patent and Trademark Office on, authorization abin (Reg. No. 29,102) . Robert H. Berdo, Jr 46, 076) and Alien Wood (Reg. No. 28,134) . reet, N.W., Sulte 500, Weshington, D.C. 20005, to Insert here in) the application serial number of said application when
[] said application havi	ng been filed	under the Pat	ent Cooperation Treaty on
AND WHEREAS	toe Onite	o States of Ar	merica being designated;
Renesas 4-1, Mai Kabushi)	n Mizosa Technol runouchi an ki Kaish	ogy Corp 2-chome d a Toshik	e, Chiyoda-ku, Tokyo 100-6334, Japan
****			hereinafter
referred to as the assig	nee, is desiro	ous of acquirin	g the entire right, title and interest in and to sald application, including
			d in and to said invention and any and all patents which may be
granted therefor, includ	ling any and a	ali renewals, re	elssues and prolongations thereof;
consideration paid by hereby assigns, selts a right, title and interest is said invention and any prolongations thereof; the said application, in patents which may be rights, powers, privileg terms of any and all suthe use and benefit of as the said assignor mit.	said assigned transfers to the said assigned cluding any a granted there as and advanch patents with assigned ght or could the hereby agree.	ne to said assigned application, in application, in and said assumed and all division for, including the granted, in and said assume held and assume to perform, as to perform,	consideration of One Dollar (\$1.00), and other good and valuable signor, the receipt of which is hereby acknowledged, said assignor see, and said assignee's successors and assigns, the full and exclusive including any and all divisions and continuations thereof, and in and to asy be granted therefor, including any and all renewals, reissues and assignee's successors and assigns, to have, hold, exercise and enjoy as and continuations thereof, and the said invention and any and all any and all renewals, reissues and prolongations thereof, with all the wise arising from or appertaining thereto, for and during the term or including any and all renewals, reissues and prolongations thereof, for signee's successors and assigns, in as ample and beneficial a manner enjoyed the same, if this assignment had not been made; upon the request of said assignee, or said assignee's successors or for to the asserting of said patents, including any and all renewals,
reissues and prolongati	ions thereof;		
AND said assignor on said application, and successors and assign:	ion any and	all divisions ar	he Commissioner of Patents and Trademarks to issue Letters Patent nd continuations thereof, to said assignee, and said assignee's
EXEC	CUTED, this <u>-</u>	2 <u>9</u> day of _	Jun , 20 <u>0</u> 5
WITNESSES:			ASSIGNOR:
Signature:			Signature: Kazumaza Janila
Name:			Signature: <u>Kazumaza Jamila</u> Name: <u>Kazumasa TANIDA</u>
Address:			PATENT

00-1

A⁺ recy Reference ______

REEL: 021420 FRAME: 0254

ASS. INMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Kazumasa TANIDA, Yoshihiko NEMOTO and Kenji TAKAHASHI
hereinafter referred to collectively as the assignor, has invented a certain improvement
SEMICONDUCTOR CHIP MANUFACTURING METHOD, SEMICONDUCTOR CHIP, SEMICONDUCTOR DEVICE MANUFACTURING METHOD, AND SEMICONDUCTOR 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 my attorneys, Staven M. Rabin (Reg. No. 29,102) , Robert H. Berdo, Jr.
(Reg. No. 38,075), , Phillip Q. Avruch (Reg. No. 46, 076) and Alien Wood (Reg. No. 28,134) .
of RABIN & BERDO, P.C., 1101 14 th Street, N.W., Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No) the application serial number of said application when known;
[] said application having been filed under the Patent Cooperation Treaty on Satial Nothe United States of America being designated;
AND WHEREAS
ROHM CO., LTD.
21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-8585, Japar
Renesas Technology Corp.
4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6334, Japan
and Kabushiki Kaisha Toshiba
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan,
hereinafter
referred to as the essignee, 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 assigner, the receipt of which is hereby acknowledged, said assigner 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, relasues 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.
EXECUTED, this 30 day of June , 2005
VITNESSES: ASSIGNOR:
Signature:Signature:
lame: Name: Kazumasa TANIDA
ddress: PATENT

Signature;	Signature: <u>Joshikka lembua</u> Name: <u>Yoshihiko NEMOTO</u>
Address:	_
Signature: Name: Address:	Signature:
Signature: Name: Address:	Name:
•	
=	Signature: Name:
Name:	Name:

RABIN & BERDO . , P.C., Washington, D.C.

Attrini Reference _____

REEL: 021420 FRAME: 0256

ASSIS...MENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Kazumasa TANIDA, Yo	oshihiko NEMOTO and Kenji TAKAHASHI
hereinafter referred to collectively as the assignor, ha	s invented a certain improvement
SEMICONDUCTOR CHIP MANUFACT DEVICE MANUFACTURING METHOD	URING METHOD, SEMICONDUCTOR CHIP, SEMICONDUCTOR O, AND SEMICONDUCTOR DEVICE
[X] the inventor's declaration for said application being application to be filed in the United States Patent and	executed concurrently with the execution of this instrument; said Trademark Office;
(Red No. 38 075) Phillip G Avoich (Red No. 46	
[] said application having been filed under the Patent Serial No the United States of Amer	t Cooperation Treaty on
AND WHEREAS	
ROHM CO., LTD. 21, Saiin Mizosaki-cho, U Renesas Technology Corp.	kyo-ku, Kyoto-shi, Kyoto 615-8585, Japan
	Chiyoda-ku, Tokyo 100-6334, Japan
and	
Kabushiki Kaisha Toshiba 1-1, Shibaura 1-chome, Mi	nato-ku, Tokyo 105-8001, Japan,
	hereinafter
referred to as the assignee, is desirous of acquiring ti	he entire right, title and interest in and to said application, including
	n and to said invention and any and all patents which may be
granted therefor, including any and all renewals, reiss	· -
consideration paid by said assignee to said assignee, hereby assigns, sells and transfers to said assignee, right, title and interest in and to said application, inclusaid invention and any and all patents which may it prolongations thereof; said assignee, and said assignee said application, including any and all divisions patents which may be granted therefor, including any rights, powers, privileges and advantages in anywisterms of any and all such patents when granted, include use and benefit of said assignee, and said assignes as the said assignor might or could have held and en	nsideration of One Dollar (\$1,00), and other good and valuable nor, the receipt of which is hereby acknowledged, said assignor and said assignee's successors and assigns, the full and exclusive uding any and all divisions and continuations thereof, and in and to be granted therefor, including any and all renewals, reissues and gnee's successors and assigns, to have, hold, exercise and enjoy and continuations thereof, and the said invention and any and all y and all renewals, reissues and prolongations thereof, with all the relating from or appertaining thereto, for and during the term or uding any and all renewals, reissues and prolongations thereof, for uding any and all renewals, reissues and prolongations thereof, for see's successors and assigns, in as ample and beneficial a manner joyed the same, if this assignment had not been made;
assigns, any and all acts relating to the obtaining or treissues and prolongations thereof:	on the request of said assignee, or said assignee's successors or othe asserting of said patents, including any and all renewals,
AND said assignor authorizes and requests the on said application, and on any and all divisions and successors and assigns, in accordance herewith.	Commissioner of Patents and Trademarks to issue Letters Patent continuations thereof, to said assignee, and said assignee's
EXECUTED, this _ 6 day of	July ,20.05
	1
WITNESSES:	ASSIGNOR:
Signature:	ASSIGNOR:
	ASSIGNOR:

Signatule
Name: Yoshihiko NEMOTO
Signature: Kenji TAKAHASHI Name: Kenji TAKAHASHI
Signature:Name:
Signature:
Signature:Name:
Signature:Name;

PATENT REEL: 021420 FRAME: 0257

RABIN & BERDO , P.C., Washington, D.C.