6	IPE				
BOX ASSIGNMENTS		11-12-1	- 1998	DO NOT USE	FOR TRADEMARKS
	111996 6			Y B	
TO THE ASSISTONT	COMMISSIONER (
SIR: PLEASE RECOM 1. NAME OF CONVEY 1. FUKUMOTO, Haruts		100823	788	EOF.	
		12			
3. TSURUTA, Kazuhiro 5.	9-1	1) 1-98	4. 6.		
7.	•		8.		
ADDITIONAL NAME(S) OF CONVEYING P	ARTY(IES) ATTACH	ED? 🗌 YES 🖾 NO		
2. PARTY(IES) (ASSIG NAME: NIPPONDENS		INTEREST:			
ADDRESS: 1-1 Showa	-cho, Kariya-City, Aic	chi-Pref. 448, Japan			
ADDITIONAL NAME(S			NO		
3. <u>NATURE OF CON</u> (Submit berewith or			e copies of same Assig	nment signed by differ	ant inventors is one
document)	-				
	DF WHOLE		REST EXEC	. DATE: June 27, 199	5
		ED TRANSLATION			
		R XOTHER: C		wrect	955 ignor's
EXECUTION DATE(S)			WITH: (NOTE: IF DAT	ES ON DECLARATIO	N AND
ASSIGNMENT DIFFER			name and	A 22(9766)	address.
	PATINO (S) OTHER		SHEET(S) attached?		- /
4.5 APPL. NO.(S) OR I A. PAT. APP. NO.(S)	PAT NO.(S). OTHER	S ON ADDITIONAL	SHEET(S) attached? B. PATENT NO(S)	YES NO	1# INVENTOR
A. PAT. APP. NO.(S) series code/serial				YES NO	1ª INVENTOR if not in item 1
A. PAT. APP. NO.(S) series code/serial no		1* INVENTOR if not in item 1	B. PATENT NO(S)]YES ⊠NO M#	If not in item 1
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of	M# 219184	1 st INVENTOR if not in item 1 FUKUMOTO espondence		YES NO M# Lordect at flea VED: Fr	if not in item 1
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of	M# 219184 Party to Whom Corre ent Should be Mailed	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously reg 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI	YES NO M# Lo red ect 9 + fee LVED: For TS = TOTAL E ENCLOSED: (Code set)	if not in item 1 1 9193, 9me 0788. 1 581)
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docum Pillsbury Madison & S Intellectual Property (M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously reg 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI	YES NO M# Lorded 9+ fea LVED: Fr TS = TOTAL	if not in item 1 1 9193, 9me 0788. 1 581)
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property (1100 NEW YORK AVE	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W.	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously reg 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI	YES NO M# Lo red ect 9 + fee LVED: For TS = TOTAL E ENCLOSED: (Code set)	if not in item 1 1 9193, 9me 0788. 1 581)
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously rec 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI ABOVE TOTAL x	YES NO M# LVED: Fr TS = TOTAL ENCLOSED: (Code st \$40 = \$.00 Previously	if not in item 1 1 9193 9 9 9 7 88. 1 581) Paid 7/7/95
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously rec 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS	YES NO M# Lo redect 9 + fea LVED: Fr TS = TOTAL E ENCLOSED: (Code s \$40 = \$.00 Previously MISSING OR INADEQU	if not in item 1 1 9 9 9 9 9 9 9 9
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918	1 st INVENTOR if not in item 1 FUKUMOTO espondence	 B. PATENT NO(S) Previously reg NUMBER INVO APPLNS <u>1</u> + PA AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO 	YES NO M# Lo red ect 9 + fea LVED: For TS = TOTAL ENCLOSED: (Code 1 \$40 = \$.00 Previously MISSING OR INADEQU 0 DEPOSIT ACCOUNT 30954	if not in item 1 1 9193, 9 9 988. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT:	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918	1* INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously rec 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY T	YES NO M# Lo red ect 9 + fea LVED: Fr TS = TOTAL ENCLOSED: (Code s \$40 = \$.00 Previously MISSING OR INADEQU 0 DEPOSIT ACCOUNT	if not in item 1 1 9193, 9 9 93, 9 9 93, 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918	1 st INVENTOR if not in item 1 FUKUMOTO espondence	 B. PATENT NO(S) Previously reg NUMBER INVO APPLNS <u>1</u> + PA AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO 	YES NO M# Lo red ect 9 + fea LVED: For TS = TOTAL ENCLOSED: (Code 1 \$40 = \$.00 Previously MISSING OR INADEQU 0 DEPOSIT ACCOUNT 30954	if not in item 1 1 9193, 9 9 988. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my k	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918 SIGMATURE. powledge and belief,	1 st INVENTOR if not in item 1 FUKUMOTO espondence	 B. PATENT NO(S) Previously reg NUMBER INVO APPLNS <u>1</u> + PA AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO 	YES NO M# Locd cd q + flee LVED: Fr TS = TOTAL ENCLOSED: (Code s \$40 = \$.00 Previously MISSING OR INADEQU. 0 DEPOSIT ACCOUNT 30954 CLIENT NO. USE	if not in item 1 1 9 9 9 9 9 9 9 9
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property (C 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my key the original docume	M# 219184 Party to Whom Correct Sutro LLP Contemponent of the second	1 st INVENTOR if not in item 1 FUKUMOTO espondence	 B. PATENT NO(S) Previously rec NUMBER INVO APPLNS <u>1</u> + PA AMOUNT OF FEI ABOVE TOTAL x IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO dup. sheet not required 	YES NO M# Image: Constraint of the second secon	if not in item 1 1 9 9 9 9 9 9 9 9
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my ki the original docume 09/15/1998 JWATKINS 000001	M# 219184 Party to Whom Correct Party to Who	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously rec Output Output Control Contro Control Control Control Control Control	YES NO M# Image: State of the state of t	if not in item 1 1 9 9 9 9 9 9 9 9
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property (C 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my key the original docume	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918 CI SIGMATURE. powledge and belief, nt. 21 08499472 40.00 00 -	1 st INVENTOR if not in item 1 FUKUMOTO espondence	 B. PATENT NO(S) Previously rec 6. NUMBER INVO APPLNS <u>1</u> + PA 7. AMOUNT OF FEI ABOVE TOTAL x 8. IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO dup. sheet not required 	YES NO M# Image: State of the state of t	if not in item 1 1 9193, 9m€ 0788. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184 MATTER NO. y is a true copy of
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my ki the original docume 09/15/1998 JWATKINS 000001 01 FC:581	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918 CI SIGMATURE. powledge and belief, nt. 21 08499472 40.05 00 Signature	1 st INVENTOR if not in item 1 FUKUMOTO espondence	B. PATENT NO(S) Previously rec Output Output Control Contro Control Control Control Control Control	YES NO M# Image: Second state s	if not in item 1 1 9193, 9m€ 0788. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184 MATTER NO. y is a true copy of
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my ky the original docume 09 15/1998 JWATKINS 00001 01 FC:581 Attorney: Dale S. La Reg. No. 28872	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918 Cl SIGMATURE. powledge and belief, nt. 21 08499472 40, p0-00 Signature zar	1* INVENTOR if not in item 1 FUKUMOTO espondence : 4.)528-US LIENT REF. the foregoing information	B. PATENT NO(S) Previously rec C NUMBER INVO APPLNS <u>1</u> + PA T. AMOUNT OF FEI ABOVE TOTAL x S IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO dup. sheet not required tion is true and correct 10. Total number of p cover sheet, attachm (do not file dup. Cove Date:	YES NO M# Image: Second state s	if not in item 1 1 9193, 9m€ 0788. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184 MATTER NO. y is a true copy of
A. PAT. APP. NO.(S) series code/serial no C3/499,472 5. Name & Address of Concerning Docume Pillsbury Madison & S Intellectual Property O 1100 NEW YORK AVE NINTH FLOOR, EAST WASHINGTON, D.C. 2 5.5ATTY DKT: PMS 219184 MATTER NO. 9. STATEMENT AND To the best of my kit the original docume 09 15/1998 JWATKINS 000001 01 FC:581 Attorney: Dale S. La	M# 219184 Party to Whom Correct ent Should be Mailed Sutro LLP Group NUE, N.W. TOWER 0005-3918 CI SIGNATURE. powledge and belief, nt. 21 06459472 40.00 Signature zar TEL: (202)	1* INVENTOR if not in item 1 FUKUMOTO espondence 4)3528-US LIENT REF. the foregoing informa 4000000000000000000000000000000000000	 B. PATENT NO(S) Previously reconstruction 8. IF ABOVE FEE IS INSUFFICIENCY T UNDER ORDER NO dup. sheet not required 10. Total number of p cover sheet, attachme (do not file dup. Cover 	YES NO M# Image: Second state s	if not in item 1 1 9193 9 9 93. 1 581) Paid 7/7/95 ATE CHARGE NUMBER: 03-3975 219184 MATTER NO. y is a true copy of

.

BOX ASSIGNMENT		07-30-1	202		944 P.02/02
	S			DO NOT USE F	OR TRADEMARKS
			4		
TO THE ASSISTAN		<u>(100747</u>			
		D ORIGINAL DOCUME	NTS OR COPY THERE	OF	
1. FUKUMOTO, Ma		(ASSIGNOR5(5)):	2. TANAKA, Hiroaki		
3. TSURUTA, Kazul 5.	niro		4. 6.		
7.			8.		
ADDITIONAL NAME	(S) OF CONVEYING	G PARTY(IES) ATTACH	ÉD? 🛛 YES 🖾 NO		
2. PARTY(IES) (AS NAME: NIPPONDE	SIGNEE(S)) RECEIV NSO CO., LTD.	ING INTEREST:		·····	
ADDRESS: Kariya-(City. Aichi-Pref. 448,	Japan			
ADDITIONAL NAME	E(S) & ADDRESS(ES	S) ATTACHED?	MNO		
	NVEYANCE (DOCL			and the set in a state of the set	
document)	oniv one document	for recordation-multiple	e copies of same Assign	iment signed by dimere	nt inventors is one
			REST EXEC.	DATE: June 27, 1995	<u> </u>
_		_			
		IFIED TRANSLATION			
			L		
EXECUTION DATE	(S) ON THE DECLA	RATION IF FILED HERE	WITH: (NOTE: IF DATE	ES ON DECLARATION	IAND
ASSIGNMENT DIF	ER SEE ATTY!) Jul	y 27, 1995			
4.5 APPL. NO.(S) Q	R PAT NO.(S). OTH	HERS ON ADDITIONAL	SHEET(S) attached?		
eenes code/cerial		1* INVENTOR If not in item 1.	B PA (ENI NO(5)		1#INVENTOR If not in item 1
08/499.472	219184	FUKUMOTO			
5 Name & Address	of Party to Whom C ument Should be Ma		6. NUMBER INVOL APPLNS <u>1</u> + PAT	.VED: TS = TOTAI	1
			7. AMOUNT OF FEE	ENCLOSED. (Code 5	81)
Concerning Doc Pillsbury Medison Intellectual Proper 1100 NEW YORK A	& Sutro LLP I y Group VENUE, N.W.		7. AMOUNT OF FEE ABOVE TOTAL X	ENCLOSED. (Code 5 \$40 = \$.00 Previously	81) Paid 7/7/95
Concerning Doct Pillsbury Medison Intellectual Proper 1100 NEW YORK A NINTH FLOOR, FAI WASHINGTON, D.C	& Sutro LLP I y Group Venue, N.W. St Tower		ABOVE TOTAL X	\$40 = \$.00 Previouely	Paid 7/7/95
Concerning Doct Pillsbury Madison Intellectual Proper 1100 NEW YORK A NINTH FLOOR, FAX	& Sutro LLP I y Group Venue, N.W. St Tower		ABOVE TOTAL X	\$40 = \$.00 Previouely MISSING OR INADEQUA	Paid 7/7/95 TE CHARGE
Concerning Doc Plitsbury Madison Intellectual Proper 1100 NEW YORK A NINTH FLOOR, FAI WASHINGTON, D.C	& Sutro LLP I y Group Venue, N.W. St Tower	40528-US	ABOVE TOTAL X	\$40 = \$.00 Previouely MISSING OR INADEQUA D DEPOSIT ACCOUNT N	Paid 7/7/95 TE CHARGE

PAT-114X 3/98

TOTAL P.02

,

Please return signed/recorded to: Cushman Darby & Cushman, L.L.P. Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

.

For Inventions made outside USA executed with or after application Atty. Dkt._____/

40528-01

M# / Client Ref.

USA Patent Appln. Sole or Joint

ASSIGNMENT

	In consideration of the sum of Ter valuable consideration paid to each of	n Dollars (\$10.00) and other good and of the undersigned, to wit:			
	(1) Harutsugu FUKUMOIO	(4)			
Insert Name(s)	(2) <u>Hirozki TANAKA</u>	(5)			
of inventors	(3) Kazuhiro TSURUTA	[] x box if continued on page 2			
Insert Name(s)	the receipt and sufficiency of which a undersigned who at the request of, h transfer(s) unto:				
of Assignee(S) and Address(eS)					
	(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as				
Title of Invention	SEMICONDUCTOR DEVICE				
Πνεπιιοπ					
<u>NOTE</u> ->-> (A) (Complete line (B)	for which the undersigned executed of the United States of America [x] e				
	in U.S. Appln No/	filed			
	States Commissioner of Patents and to the said ASSIGNEE, for its interest and legal representatives; the unders that the attorneys of record in said a behalf of said ASSIGNEE; AND the undersigned hereby papers for ASSIGNEE, its successors	pplication shall hereafter act on agree(s) to testify and execute any s, assigns and legal representatives,			
		SSIGNEE'S full protection and title in			
<u>NOTE</u> :->->	and to the invention hereby transferm The undersigned hereby auth Cushman, L.L.P. of the above addre identification necessary or desirable	horize(s) Cushman Darby & ss to insert hereon any further			
INVENTOR(S)	DATE SIGNED	WITNESS(ES)			
1) / tarutsuzu = Name: Harutsugu]					
Name: Harutsugu) 2) <u>Hisoaki</u> Name: Hiroaki TA	anaka June 27. 1995	Jadao Oboka			

IF ADDITIONAL INVENTORS, check lox [X] and continue on page 2

ţ

Assignment

ų.

.

. .

(Continued from page 1) Listing of additional inventors

(6)	(11)
(7)	(12)
(8)	(13)
(9)	(14)
(10)	(15)

Signatures of additional inventors/witnesses/dates_signed

<u>INVENTOR(S)</u> 3) <u>Kazuluw Tsuruta</u> Name: Kazuhiro TSURUTA	<u>DATE SIGNED</u> June 27, 1995	Jadao Dooka
4)		
Name:		
5) Name:	د معنی از این این از این	
6)		
Name:		
7)	-	
Name:		
8)		
Name:		
9)		
Name:		
10)		
Name: 11)		
Name:		