SIGNMENTS

DO NOT	USE	FOR	TRADE	MARKS
--------	-----	-----	-------	-------

3-53-0/					FUR TRADEMARKS
TO THE ASSISTANT COMMISS		68111	<u>I</u>		2
	TTACHED ORIGINAL DOCUME	NTS OR COPY	THEREOF		<u>a</u> io
1. NAME OF CONVEYING PAR	tty(IES) (ASSIGNORS(S)):				
1. Kunio FUKATSU		2. Hiroshi WAT			5. T
3. Yasuo TSUKADA		4. Sadao SEKI	INE		E S
5. Hideaki BABA 7.		6.			50
ADDITIONAL NAME(S) OF CO	NVEYING PARTY(IES) ATTACH	6. HED? □YES ⊠	NO		7
2. PARTY(IES) (ASSIGNEE(S))					
NAME: KABUSHIKI KAISHA TO	SHIBA				
ADDRESS: 72, Horikawa-cho, S	Saiwai-ku, Kawasaki-shi, Kanaga	awa-ken, JAPAN			
ADDITIONAL NAME(S) & ADDF	RESS(ES) ATTACHED? YES	S ⊠NO			
3. NATURE OF CONVEYANCE					
	ocument for recordation—multipl	le copies of same	Assignme	nt signed by differe	ent inventors is one
document)		-n-o- [2004 5 1 20
⊠ASSIGNMENT OF □ORIGINAL	WHOLE PART INTE			TE: February 27, 2	2001; February 28,
☐CHANGE OF NAME	FACSIMILE/PHOTOCOPY VERIFIED TRANSLATION		2001		
SECURITY MERGER	_	L			
EXECUTION DATE(S) ON THE		EMITH: (NOTE: II	EDATES	ON DECLADATION	J AND
ASSIGNMENT DIFFER SEE AT	TYI) February 27, 2001: February	ervii n. (<u>NOTE</u> . 11 arv 28 2001	F DATES	ON DECLARATION	NAND
4.5 APPL. NO.(S) OR PAT NO.(red2 DV	ES 🖾 NO	
A. PAT. APP. NO.(S) M# series code/serial no	1st INVENTOR	B. PATENT NO	O(S) M#	1	1st INVENTOR if not in Item 1
NEW APPLICATION 27809					H HOLIII ILGIII I
5. Name & Address of Party to		6. NUMBER	INVOLVE	D.	
Concerning Document Shoul		i) = TOTAL	<u>1</u>
ŭ			<u>-</u>	_	
Pillsbury Winthrop LLP				ICLOSED: (Code 5	081)
Intellectual Property Group 1100 New York Avenue, NW		ABOVE TO	TAL X \$40	= \$40	
Ninth Floor					
Washington, DC 20005-3918					
5.5ATTY DKT:		8. IF ABOVE F	EE IS MISS	SING OR INADEQUA	ATE CHARGE
0.071111 DITT.					
		INSUFFICIEI	NCY TO DE	TOUR POOCOUNT	TOMBER, 00-0070
P 278098	50G31340USA-AT	INSUFFICIEI UNDER ORDE		9270	278098
P 278098 MATTER NO.	50G31340USA-AT CLIENT REF.		R NO		
		UNDER ORDE	R NO	9270	278098
MATTER NO.		UNDER ORDE	R NO	9270	278098
		UNDER ORDE	R NO	9270	278098
MATTER NO.		UNDER ORDE dup. sheet not re	R NO quired	9270	278098 MATTER NO.
MATTER NO.	CLIENT REF.	UNDER ORDE dup. sheet not re 10. Total numb cover sheet, at	er of page	9270 CLIENT NO. ss including this and document	278098
9. MATTER NO.	CLIENT REF.	UNDER ORDE dup. sheet not re	er of page	9270 CLIENT NO. ss including this and document	278098 MATTER NO.
9. Signatu	CLIENT REF.	UNDER ORDE dup. sheet not re 10. Total numb cover sheet, at	er of page	9270 CLIENT NO. ss including this and document	278098 MATTER NO.
9. Sighatu Attorney: Glenn J. Perry	CLIENT REF.	UNDER ORDE dup. sheet not re 10. Total numb cover sheet, at (do not file dup	er of page tachments	9270 CLIENT NO. ss including this and document	278098 MATTER NO.
9. Signatu Attorney: Glenn J. Perry Reg. No. 28458	CLIENT REF.	UNDER ORDE dup. sheet not re 10. Total numb cover sheet, at (do not file dup Date: March	per of page tachments a. Cover sh	9270 CLIENT NO. es including this and document neet)	278098 MATTER NO.
9. Signatu Attorney: Glenn J. Perry	CLIENT REF.	10. Total numb cover sheet, at (do not file dup Date: March	per of page tachments of Cover sh	9270 CLIENT NO. es including this and document heet)	278098 MATTER NO.

03/26/2001 SMINASS1 00000022 09814925

0- FC:581

40.00 OF

PATENT PAT-114X 3/01 REEL: 011637 FRAME: 0603

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP Intellectual Property Group Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

RECORDED: 03/23/2001

USA Patent Appln. Sole or Joint

For Inven	tions n	nade d	outside USA
<u>executed</u>	with o	r after	application

Atty. Dkt. PMS] 50G31340
M#	Client Ref.

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

ISERT	(1) Kunio FUKATSU	(4)	Sadao SEKINE
AME(S) OF	(2) Hiroshi WATANAB		Hideaki BABA
IVENTOR(S)	(3) Yasuo TSUKADA	<u></u>	oox if continued on page 2
e receipt and suff ssign(s) and trans		ledged by the undersigned	who at the request of, hereby sell(s),
SERT	Kabushiki Kaisha Toshiba)	
AME(S) OF SSIGNEE(S) ADDRESS(ES)	72, Horikawa-cho, Saiwai	-ku, Kawasaki-shi, Kai	nagawa-ken, Japan
	SSIGNEE") the entire right, title and interest for the ons, continuations, substitutes, and reissues there		I in 35 U.S.C. 100, in the invention and all applications s
TLE OF VENTION		ER-LIKE MATERIAL	ARATUS, SWITCHBACK PROCESSING APPARATUS SM
OTE → → Complete ne A, B and/or C)	 (A) ⊠ even date herewith (B) □ on (C) □ in U.S. Appln. 	1	filed
e said ASSIGNEE, for it	s interest as ASSIGNEE, its successors, assigns ehalf of said ASSIGNEE; ND the undersigned hereby agree(s) to testify an o ASSIGNEE'S full protection and title in and to the the undersigned hereby authorize(s) Pillsbury Ma	and legal representatives; the undersign and execute any papers for ASSIGNEE, the invention hereby transferred.	er of Patents and Trademarks to issue said Letters Patent to gned agree(s) that the attorney of record in said application its successors, assigns and legal representatives, deemed as to insert hereon any further identification necessary or
A sential by ASSIGNEE to DTE → → T	of this document.		
sential by ASSIGNEE to DTE → → To sirable for recordation of	TOR(S)	DATE SIGNED	WITNESSES
sential by ASSIGNEE to DTE \rightarrow T sirable for recordation of INVEN	TOR(S)	 	
sential by ASSIGNEE to OTE → → T sirable for recordation of INVEN ame: Kuni	TOR(S) FUNIO TOR ATTENDED O FUKATSU	Feb.27,2	
sential by ASSIGNEE to <u>OTE</u> → To sirable for recordation of <u>INVEN</u> ame: Kuni	TOR(S) FUNIO TOR ATTENDED O FUKATSU	Feb.27,2	2001
sential by ASSIGNEE to TEST TEST TEST TEST TEST TEST TEST TES	TOR(S) Funio Takata o FUKATSU Mindi Watarda shi WATANABE	Feb.27,2	
sential by ASSIGNEE to TE → Testing for recordation of the te	TOR(S) Funio Takata o FUKATSU Mindi Watarda shi WATANABE	Feb.27,2	00/
sential by ASSIGNEE to DTE → Testrable for recordation of INVEN ame: Kuni ame: Hiros ame: Yasu	TOR(S) FUNIO TORATO O FUKATSU Minhi Watanda Shi WATANABE Yasuo Jsukada. O TSUKADA	Feb. 27, 2	00/
ssential by ASSIGNEE to OTE → Tesirable for recordation of INVEN INVEN	TOR(S) Funio Tark ottor O FUKATSU Mindi Watarda Shi WATANABE Yasuo Jsukada O TSUKADA Saclas The	Feb. 27, 2 feb. 28, 2	001
sential by ASSIGNEE to TE → T Sirable for recordation of INVEN ame: Kuni ame: Hiros ame: Yasu ame: Sada	TOR(S) Funio Tarkattan o FUKATSU Minchi Watarda shi WATANABE Yasuo Jsukada o TSUKADA Sachar The	Feb. 28, 2 Feb. 28, 2 Feb. 28, 2	001
sential by ASSIGNEE to DTE → Testrable for recordation of INVEN INVEN	TOR(S) Funio Tark ottor O FUKATSU Mindi Watarda Shi WATANABE Yasuo Jsukada O TSUKADA Saclas The	Feb. 27, 2 feb. 28, 2	001

PAT-114 11/97

PATENT REEL: 011637 FRAME: 0604