U.S. DEPARIMENT OF COMMERCE

101613404

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

	The state of the s	
1.	Name of conveying party(ies):	
	(1) Shunji IGARASHI	
	(2) Kazunori KOIKE	-
	F C	
2.	Name and address of receiving party(ies):	
	FUJITSU LIMITED	e e
	1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi	6
	Kanagawa 211-8588 Japan	
3.	Nature of conveyance:	6
٥.	X Assignment Merger	=
	Security Agreement Change of Name	
	Other:	
	Execution Date(s): January 16, 2001	
4.	Application number(s) or patent number(s): This document is being filed together with a new application: 69177163	
	This document is being fried together with a new application.	
	(a) The execution date(s) of the application is/are: <u>January 16, 2001</u> The title is: METHOD AND APPARATUS FOR MODIFYING BY ATTENDED BATTLES FOR MODIFY AND BATTLES FOR MODI	
	(b) The title is: METHOD AND APPARATUS FOR MODIFYING FLATTENED DATA OF DESIGNED CIRCUIT PATTERN	
	*** OR ***	
	This document is being filed after filing of the application:	
	(a) Patent Application No(s). *, filed *; or	
	(b) Patent No(s), issued	
_		
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1093,1041/JDH	
	STAAS & HALSEY LLP Our Docket: 1093.1041/JDH Attention: James D. Halsey, Jr.	
	700 Eleventh Street, N.W., Ste. 500	
	Washington, D.C. 20001	
_		
6.	Total number of applications and patents involved:	
7.	Total fee (37 CFR 3.41) \$ 40.00	
	X Enclosed	
	Authorized to be charged to deposit account.	
_		
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)	
	(Attach duplicate copy of this page if paying by deposit account)	
9.	Statement and signature.	
,	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a ti	rua conv
	of the original document.	ue copy
	$(// \wedge /) >$	
	James D. Halsey, Jr., Reg. No. 22,729 January 30, 2001	
	Name of Person Signing Signature Date Total number of pages including cover sheet, attachments and documents.	
	Total number of pages including cover sheet, attachments and documer	nt: <u>2</u>
F	DO NOT USE THIS SPACE	
	DO TOT COE THIS STACE	

PATENT REEL: 011502 FRAME: 0820

(Insert Name(s) & Address(es) of ASSIGNEE ETITTES I TIMETED Kawasaki	Tanan		
FUJITSU LIMITED, Kawasaki,	Japan		
ereinafter, "ASSIGNEE"), the receipt of wh nd transfers to ASSIGNEE the entire and exc			undersigned ASSIGNOR hereby sells, assigns the invention entitled
Title of Invention)			
METHOD AND APPARATUS FOR M	ODIFYII	NG FLATTENED D	ATA OF DESIGNED CIRCUIT PATTE
		<u> </u>	
			hich application for Letters Patent of the United
ates was executed on even date herewith o	ir, ir not s	o executed, was:	
s) executed on	;	(insert date of execu	ution of application, if not concurrent)
		Any registered attor	ney of STAAS & HALSEY, 700 Eleventh
	······································		ington D.C. 20001 (202/434-1500) is
Serial No. / ; to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination aent(s) may be granted and including any	pplication	Street, N.W., Washinereby authorized to known. States granted on a based thereon, for the	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters
d to said application and all Letters Patent(s) lewal, substitute, reissue or reexamination attent(s) may be granted and including any clent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem	extensions y said ASS n necessa	Street, N.W., Washing hereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expedit	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing
Serial No/ ; d to said application and all Letters Patent(s) sewal, substitute, reissue or reexamination attent(s) may be granted and including any cent(s) "}. The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexamination may arise or be declared in relation to said	applications y said ASS n necessal sparation a nation, or p me, such	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, standard prosecution of said public use proceeding, acts to include but no	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE,
Serial No/; It to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexamination to said arate assignments and declarations, taking lence.	pplications y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. ded States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing sweets	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing
Serial No; I to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexamination may arise or be declared in relation to satisfactors.	pplications y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. ded States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing sweets	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing
Serial No; I to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the present(s), in any interference, reissue, reexamined may arise or be declared in relation to salarate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	applications y said ASS n necessal sparation a nation, or p me, such all rightfo	Street, N.W., Washinereby authorized to known. Sed States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swithas (have) affixed his/(Date)	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters arge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s).
Serial No; It to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexamined may arise or be declared in relation to sa arate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Many Jassahi Many Jassahi	applications y said ASS n necessal sparation a nation, or p me, such all rightfo	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, significant of said public use proceeding, acts to include but noul oaths, providing swith the said of the said oaths, providing swith as (have) affixed his/	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ignet, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es))
Serial No; It to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexamined may arise or be declared in relation to salarate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	applications y said ASS n necessal sparation a nation, or p me, such all rightfo	Street, N.W., Washinereby authorized to known. Sed States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swithas (have) affixed his/(Date)	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters arge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s).
Serial No; I to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s)"). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the present(s), in any interference, reissue, reexamined may arise or be declared in relation to salarate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shump Jagarashi	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Sed States granted on a based thereon, for the thereof (collectively, GIGNEE and without chry, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swithas (have) affixed his/(Date)	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ignet, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es))
to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination as ent(s) may be granted and including any ent(s) may be granted and including any ent(s). The ASSIGNOR agree(s), when requested be all acts which the ASSIGNEE may deem rection for said invention, including in the present(s), in any interference, reissue, reexamined may arise or be declared in relation to salvate assignments and declarations, taking ence. N WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jassahi Hunji Igarashi Mayurur Marke	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, a full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters harge to but at the expense of said ASSIGNEE, ignet, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es))
to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination as ent(s) may be granted and including any ent(s) may be granted and including any ent(s). The ASSIGNOR agree(s), when requested be all acts which the ASSIGNEE may deem rection for said invention, including in the present(s), in any interference, reissue, reexamined may arise or be declared in relation to salvate assignments and declarations, taking ence. N WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jassahi Hunji Igarashi Mayurur Marke	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters sarge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es)) Hack Hamasaki Hack Hamasaki
Serial No; Ito said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s) may be granted and including any ent(s). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the present(s), in any interference, reissue, reexamined may arise or be declared in relation to satisfact assignments and declarations, taking lence. N WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jassahi Thung Jassahi	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters sarge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es)) Hack Hamasaki Hack Hamasaki
Serial No; Ito said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s) may be granted and including any ent(s) may be granted and including any ent(s). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the present(s), in any interference, reissue, reexamine the may arise or be declared in relation to sate arate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jassahi Shunji Igarashi Mayuman Maihe	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters sarge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es)) Hack Hamasaki Hack Hamasaki
Serial No; Ito said application and all Letters Patent(s) ewal, substitute, reissue or reexamination a ent(s) may be granted and including any ent(s) may be granted and including any ent(s) may be granted and including any ent(s). The ASSIGNOR agree(s), when requested be do all acts which the ASSIGNEE may deem tection for said invention, including in the present(s), in any interference, reissue, reexamine the may arise or be declared in relation to sate arate assignments and declarations, taking lence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jassahi Shunji Igarashi Mayuman Maihe	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters sarge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es)) Hack Hamasaki Hack Hamasaki
Serial No; It to said application and all Letters Patent(s) ewal, substitute, reissue or reexamination at ent(s) may be granted and including any ent(s) may be granted and including any ent(s) may be granted and including any ent(s) may arise or the ASSIGNEE may deem tection for said invention, including in the preent(s), in any interference, reissue, reexaming the may arise or be declared in relation to satisfied assignments and declarations, taking dence. IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Shung Jarashi Shung Jarashi	y said ASS n necessal sparation a nation, or p nme, such all rightfu	Street, N.W., Washinereby authorized to known. Ted States granted on a based thereon, for the thereof (collectively, desirable or expeding prosecution of said public use proceeding, acts to include but noul oaths, providing swith as (have) affixed his/(Date) ary 16, 2001	sald application and any continuation, division, e full term or terms for which the said Letters hereinafter, "said application(s) and Letters hereinafter, "said application(s) and Letters sarge to but at the expense of said ASSIGNEE, ient, for securing, maintaining and enforcing application(s) and the issuance of said Letters and in any litigation or other legal proceeding to be limited to executing all papers, including form testimony, and obtaining and producing ther/their signature(s). (Typed Name & Signature of Witness(es)) Hack Hamasaki Hack Hamasaki

RECORDED: 01/30/2001

PATENT REEL: 011502 FRAME: 0821