FORM (Rev. 6	PTO-1595 6-93)		RE				U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
S&H 8			.17 . 99	10124	1148		
Toth	e Honorab	e Commi	issioner of Patents and Trac	2.200.0	c anaciit	eu original documents or d	copy thereof.
1.	Name	of conv	eying party(ies):				
	(1) (2)		chi YAMAMOTO aki OKADA		(3) (4)	Teruo NAKAZAWA Hideki MIKAMOTO	
2.	Name	and ad	dress of receiving party((ies):			
		1-1, k Nakal	TSU LIMITED Kamikodanaka 4-chome hara-ku, Kawasaki-shi gawa 211-8588, JAPAN				09/465. P
3.	Nature	of con	veyance:				.)
		<u>X</u>	Assignment Security Agreement Other:		Merger Change	- e of Name -	
	Execu	tion Dat	te(s): December 13,199	99			
4.	Applic	ation nu	ımber(s) or patent numb	per(s): 09 (4657	اما	
	This d (a) (b)	The e		application is/are:	Decemb		OVIDING INFORMATION
	This d (a) (b)	ocumer	nt is being filed after filing nt Application No(s)/ nt No(s), issu	g of the applicatio , filed ued	n: 	; or	
5.	Name	and ad	dress of party to whom	correspondence o	oncerning	g document should b	e mailed:
		Attent	AS & HALSEY LLP tion: H. J. Staas Eleventh Street, N.W., St nington, D.C. 20001	uite 500	Our Do	ocket: 1614.1020/HJ	S
JIPEOPL	ES 7000000	1470985	of applications and pate	ents involved: 1	_		
7.	Total f	ee (37 (Enclosed Authorized to be char		count.		
8.	Depos (Attacl	it Accou n duplic	unt No.: 19-3935 (Any ate copy of this page if p	underpayment is paying by deposit	authorize account)	ed to be charged to the	nis Deposit Account)
9.	Staten	nent and	d signature.				
			f my knowledge and beli he original document.	ef, the foregoing i	informatio	n is true and correct	and any attached copy is a

DO NOT USE THIS SPACE

'07/2000 FC:581

> H. J. Staas, Reg. No. 22,010 Name of Person Signing

> > 1.

PATENT

REEL: 010471 FRAME: 0511

Total number of pages comprising cover sheet, attachments, and document: 2

December 17, 1999

Date

	EE(S))				
FUJITSU LIMITED			•		
1-1, Kamikodanaka 4-chome	, Nakahar	a-ku, Kawas	aki-shi, l	Kanagawa	1,
211-8588 Japan		,			
	•		•		•
		•			
ereinafter, "ASSIGNEE"), the receipt of v	which is hereby	z acknowledged, t	he undersioned	ASSIGNO	R hereby sells, assi
id transfers to ASSIGNEE the entire and o					•
<i>ïte of Invention)</i> INFORMATION PROVIDING SYS:	TEM AND M	ETHOD FOR P	ROVIDING :	INFORMAT	TON
INTOKATION THOUSENED BIG					
					
iting to International Patent Application Po tes was executed on even date herewith		and/or for	which applicati	on for Letter	s Patent of the Uni
executed on	; /	linsert date of exe	cution of applic	ation, if no	t concurrent)
filed on	. Г	Any registered att	orney of STAA	C & UAICE	Y 700 Eleventh
Serial No/;	1 :	Street, N.W., Was	hington, D.C.	20001 (202	2/434-1500) is
		hereby authorized known.	to insert in (b)	the specifie	d data, when
ant(s) may be granted and including any ent(s)").	y extensions t	ssed thereon, for the thereof (collective)	the full term or y, hereinafter,	"sald applie	cation(s) and Lette
ant(s)"). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part(s), in any interference, reissue, reexanch may arise or be declared in relation to parte assignments and declarations, taking	y extensions ti by said ASSIG em necessary, preparation and nination, or put same, such ac	hereof (collectivel SNEE and without of desirable or expe prosecution of sa billo use proceeding to to include but it	y, hereinafter, charge to but a dient, for seci de application(s g, and in any lit set be limited t	"said applications the expension of the issignation or other cases of executing the issignation of the issignation of the executing the executing is a second to executing the issignation of the issignati	cation(s) and Lette se of said ASSIGNE aining and enforcis wance of said Lette ther legal proceedir all papers. Includir
ent(s)"). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part(s), in any interference, reissue, reexanch may arise or be declared in relation to trate assignments and declarations, taking ance.	y extensions to by said ASSIG em necessary, preparation and nination, or pul same, such ac ng all rightful (hereof (collectivel SNEE and without desirable or expe prosecution of sa bilic use proceeding ats to include but a paths, providing s	y, hereinafter, charge to but a dient, for sect id application(s g, and in any lit iot be limited t worn testimon	"said applied the expension of the issignation or or or executing y, and obta	cation(s) and Lette se of said ASSIGNE aining and enforcis wance of said Lette ther legal proceedir all papers. Includir
ent(s)"). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part(s), in any interference, reissue, reexanch may arise or be declared in relation to trate assignments and declarations, taking ance.	y extensions to by said ASSIG em necessary, preparation and nination, or pul same, such ac ng all rightful (inventor(s) has	hereof (collectivel SNEE and without desirable or expe prosecution of sa bilic use proceeding ats to include but a paths, providing s	y, hereinafter, charge to but a dient, for sect id application(s g, and in any lit sot be limited to worn testimon	"said applied the expension of the issued th	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
ent(s)"). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part (s), in any interference, reissue, reexample may arise or be declared in relation to the assignments and declarations, taking and the assignments. N WITNESS WHEREOF, the undersigned	y extensions to by said ASSIG em necessary, preparation and nination, or pul same, such ac ng all rightful of inventor(s) has	hereof (collectivel SNEE and without of desirable or expect i prosecution of sa- bild use proceeding its to include but a caths, providing a s (have) affixed his (Date)	charge to but a dient, for sectid application(s), and in any lit worn testimon (Typed Na	"said applied the expension of the issued th	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the gent(s), in any interference, reissue, reexanch may arise or be declared in relation to erate assignments and declarations, taking ence. N WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s),	y extensions to by said ASSIG em necessary, preparation and nination, or pul same, such ac ng all rightful of inventor(s) has	hereof (collective) SNEE and without of desirable or expension of sample of the collection of the coll	charge to but a dient, for section application(s g, and in any lit worn testimon s/her/their sign	"said applied the expension of the issued th	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part(s), in any interference, reissue, reexanch may arise or be declared in relation to trate assignments and declarations, taking ance. N WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto	by said ASSIG mecessary, preparation and inhalton, or pulsame, such acing all rightful dinventor(s) has becomb	hereof (collectivel SNEE and without of desirable or expe I prosecution of sa I prosecution of sa to to include but re- paths, providing a s (have) affixed his (Date) er 13, 1999	charge to but a dient, for section application(s g, and in any lit worn testimon s/her/their sign	"said applied the expension of the expension of the last ligation or or executing y, and obtains ature(s).	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the parties, in any interference, reissue, reexample may arise or be declared in relation to arete assignments and declarations, taking ence. N. WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Tideak Ckacla	by said ASSIG mecessary, preparation and inhalton, or pulsame, such acing all rightful dinventor(s) has becomb	hereof (collectivel SNEE and without of desirable or expect i prosecution of sa- bild use proceeding its to include but a caths, providing a s (have) affixed his (Date)	charge to but a dient, for sect dient, for sect did application(s), and in any lit worn testimon s/her/their sign (Typed Na Mik.	the expensuring, maint and the issigation or one executing y, and obtains ature(s).	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
Int(s)*). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the parties, in any interference, reissue, reexample may arise or be declared in relation to brate assignments and declarations, taking ance. N WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada	becemb	hereof (collective) SNEE and without of desirable or expected or	charge to but a dient, for sect dient, for sect did application(s), and in any lit worn testimon s/her/their sign (Typed Na Mik.	"said applied the expension of the expension of the last ligation or or executing y, and obtains ature(s).	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin
Int(s)*). The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the south of the said invention, including in the south may arise or be declared in relation to the sassignments and declarations, taking ance. N. WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada Teruo Wakazawa	becemb	hereof (collectivel SNEE and without of desirable or expe I prosecution of sa I prosecution of sa to to include but re- paths, providing a s (have) affixed his (Date) er 13, 1999	charge to but a dient, for sected application(s g, and in any lit worn testimon (Typed Na Mik. Mik.	"said applied the expension of the expension of the last ligation or or or executing y, and obtains ature(s). """ """ """ """ """ """ """	cation(s) and Lette se of said ASSIGNE aining and enforcir uance of said Lette ther legal proceedir all papers, includir ining and producin
The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part (s), in any interference, reissue, reexanch may arise or be declared in relation to a sasignments and declarations, taking ance. N. WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada Teruo Nakazawa Teruo Nakazawa	becemb	hereof (collective) SNEE and without of desirable or expected or	charge to but a dient, for sected application(s g, and in any lit worn testimon (Typed Na Mik. Mik.	the expensuring, maint and the issigation or one executing y, and obtains ature(s).	cation(s) and Lette se of said ASSIGNE aining and enforcir uance of said Lette ther legal proceedin all papers, includin lining and producin
The ASSIGNOR agree(s), when requested to all acts which the ASSIGNEE may detection for said invention, including in the part (s), in any interference, reissue, reexample may arise or be declared in relation to erate assignments and declarations, taking ance. N WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada Teruo Nakazawa Teruo Nakazawa Teruo Nakazawa Teruo Nakazawa	by said ASSIG on necessary, preparation and initiation, or pull same, such acting all rightful dinventor(s) has become become become	hereof (collective) SNEE and without of desirable or expected or	charge to but a dient, for sected application(s g, and in any lit worn testimon (Typed Na Mik. Mik.	"said applied the expension of the expension of the last ligation or or or executing y, and obtains ature(s). """ """ """ """ """ """ """	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lettei ther legal proceeding all papers. includin
The ASSIGNOR agree(s), when requested do all acts which the ASSIGNEE may detection for said invention, including in the pent(s), in any interference, reissue, reexant ch may arise or be declared in relation to arate assignments and declarations, taking lance. IN WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada Teruo Nakazawa Teruo Nakazawa	by said ASSIG on necessary, preparation and initiation, or pull same, such acting all rightful dinventor(s) has become become become	hereof (collective) SNEE and without of desirable or expetition of sample of the proceeding the to include but roaths, providing as (have) affixed his (Date) er 13, 1999 er 13, 1999	charge to but a dient, for sect did application(s), and in any lit worn testimon s/her/their sign (Typed Na Mik. Mik.	"said applied the expension of the expension of the last ligation or or or executing y, and obtains ature(s). """ """ """ """ """ """ """	cation(s) and Lette se of said ASSIGNE aining and anforcin uance of said Lettei ther legal proceedin all papers, includin ining and producin
ent(s)"). The ASSIGNOR agree(s), when requested do all acts which the ASSIGNEE may detection for said invention, including in the pent(s), in any interference, reissue, reexamich may arise or be declared in relation to arate assignments and declarations, takin lance. IN WITNESS WHEREOF, the undersigned (Typed Name & Signature of Inventor(s), Kenichi Yamamoto Kenichi Yamamoto Tideaki Okada Teruo Nakazawa Teruo Nakazawa Teruo Nakazawa Afideka Mikamoto	by said ASSIG on necessary, preparation and initiation, or pull same, such acting all rightful dinventor(s) has become become become	hereof (collective) SNEE and without of desirable or expetition of sample of the proceeding the to include but roaths, providing as (have) affixed his (Date) er 13, 1999 er 13, 1999	charge to but a dient, for sect did application(s), and in any lit worn testimon s/her/their sign (Typed Na Mik. Mik.	"said applied the expension of the issingation or of the executing y, and obtains at the executing the execution of the	cation(s) and Lette se of said ASSIGNE aining and enforcir uance of said Lette ther legal proceedin all papers, includin lining and producin
Kenichi Yamamoto Kenichi Yamamoto Hideaki Okada Hideaki Okada Teruo Wakazawa Teruo Nakazawa Afideka Mikamoto	by said ASSIG on necessary, preparation and initiation, or pull same, such acting all rightful dinventor(s) has become become become	hereof (collective) SNEE and without of desirable or expetition of sample of the proceeding the to include but roaths, providing as (have) affixed his (Date) er 13, 1999 er 13, 1999	charge to but a dient, for sect did application(s), and in any lit worn testimon s/her/their sign (Typed Na Mik. Mik.	"said applied the expension of the issingation or of the executing y, and obtains at the executing the execution of the	cation(s) and Lette se of said ASSIGNE aining and enforcin wance of said Lette ther legal proceedin all papers, includin aining and producin

PATENT REEL: 010471 FRAME: 0512