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(Rev. 03/01)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office Atty Docket No.: FUJR 18.172			
To the Honorable Commissioner of Paterns	original documents or copy thereof.			
1. Name of conveying party(ies); Kazuya ORUI Yasuhiro NAGASHIMA Toshiaki HARIGAYA Manabu SHIMIZU Chiharu NUNOKAWA	2. Name and address of receiving party(ies) 1) FUJITSU LIMITED 2) FUJITSU TAKAMISAWA COMPONENT LIMITED Name: 1) 1-1, KAMIKODANAKA 4-CHOME, NAKAHARA-KO KAWASAKI 211-8588 JAPAN 2) 3-5, HIGASHIGOTANDA 2-CHOME, SHINAGAWA-KU TOKYO 141-8630 JAPAN			
Additional name(s) of conveying party(les) attached? 🃮 Yes 🖳 No				
3. Nature of conveyance:	3) 6-18-12 MEGURO-HONCHO MEGURO-KU TOKYO 152-8520 JAPAN			
Assignment 📮 Merger	() ()			
🖳 Security Agreement 🖳 Change of Name	Street Address:			
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DECEMBER 15, 2000	City:State:Zip:			
Execution Date:	Additional name(s) & address(es) attached? 📮 Yes 📮 No			
4. Application number(s) or patent number(s):	·			
If this document is being filed together with a new appli	cation, the execution date of the application is:			
A. Patent Application No.(s)	B Patent No.(s)			
,,	6,428,329			
Additional numbers at	∤ tached? 🖵 Yes 🗹 No			
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:			
concerning document should be mailed: Katten Muchin Zavis Rosenman	7. Total fee (37 CFR 3.41)\$			
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Name (line 1)	Kazuya ORUI						12 15 00
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Second Party Name (line 1)	Yasuhiro NAGASHIMA						Month Day Year
Name (line 2)	1 asulito NAGASITIWA						7/7/7/20
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Name (line 1)	FUJITSU LIMITED		· · · · · · · · · · · · · · · · · · ·				if document to be recorded is an assignment and the receiving party is not
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Address (line 1)	1-1, Kamikodanaka 4-chome,						representative is attached. (Designation must be a
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PATENT

REEL: 013467 FRAME: 0119

U.S. Department of Commerce Patent and Trademark Office

PATENT

FORM PTO-1619B Expires 08/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademerk Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	(212)643-5000
Name Helfgott & Karas, P.C.		
Address (line 1) Empire State Building		
Address (line 2) 60th Floor		
Address (line 3) New York, New York 10113	8	
Address (line 4) Attorney Docket No.: FUJI	R 18.172	
Pages Enter the total number of including any attachment	pages of the attached conveyance documents.	nt # 1
Application Number(s) or Patent Nu	. ,	litional numbers attached
	e Patent Number (DO NOT ENTER BOTH numbers for	
Patent Application Number(s)	ratent N	lumber(s)
		——————————————————————————————————————
If this document is being filed together with a new P signed by the first named executing inventor.	atent Application, enter the date the patent application	was Month Day Year
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Fee Amount Fee Amount	nt for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment: En Deposit Account	closed X Deposit Account	
(Enter for payment by deposit account or if a	additional fees can be charged to the account.) Deposit Account Number:	08-1634
	Authorization to charge additional fees:	Yes X No
Statement and Signature		
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Samson Helfgott		01/03/01
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U.S. Department of Commerce Patent and Trademark Office PATENT

	PAIENIS UNLY	
Conveying Pa	mark is an account to the parties attached	Execution Date
Enter additional (conveying Parties	Month Day Year
Name (line 1)	oshiaki HARIGAYA	12 15 00
Name (line 2)		Execution Date Month Day Year
Name (line 1)	anabu SHIMIZU	12 15 00
Name (line 2)		Execution Date
Name (line 1)	hiharu NUNOKAWA	Month Day Year 12 15 00
Name (line 2)		
Receiving Pa		es attached
Enter additional l	Receiving Party(ies)	i
Name (line 1)	FUJITSU TAKAMISAWA COMPONENT LIMITED	If document to be recorded is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment of a domestic representative
Address (line 1)	3-5, Higashigotanda 2-chome,	is attached. (Designation must be a separate document from
Address (line 2)	Shinagawa-ku	Assignment.)
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Name (line 1)	HONDA TSUSHIN KOGYO., LTD	If document to be recorded is an assignment and the
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Address (line 1)	6-18-12 Meguro-honcho	domestic representative is attached. (Designation must be a separate document from
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P:	atent Application Number(s) Patent Number	ber(s)

ASSIGNMENT

Docket No. FUJR 18.172

WHEREAS, the belo	ow named inventor, ASSIGNOR, has made a certain STRUCTURE BETWEEN SUBSTRATES	n new and useful invention in :
for which		
(check one) [X] a	an application is being filed concurrently herewith,	·
, , , ,	an application for a Patent of the United States was	
	and along the street of the street	
	The Names and Addresses of Assign	
	siness at	
	ng the entire right, title and interest in, to and under	ASSIGNEE
		and said invention and the said application.
ferred and set over, a successors, legal represaid United States apply which may be granted protection, including, filed for said inventional applications and the insert Laws of the Uninternational agreement and all forms of inducates and designs which all extensions, renewall exte	on, the receipt of which is hereby acknowledged, and by these presents does hereby sell, assign, transcentatives and assigns, the entire right, title and in plication and all divisions, renewals and continuated thereon and all reissues and extensions there without limitation, all applications for patents, ution in any country or countries foreign to the Unright to claim for the same the priority rights derived Juited States, the International Convention for the ent or the domestic laws of the country in which any astrial property protection, including, without limitation may be granted for said invention in any countries and reissues thereof; thorizes and requests the Commissioner of Patents ray or countries foreign to the United States, whose property protection on applications as aforesaid, escentatives and assigns, in accordance with the term R covenants and agrees that he has full right to coll not execute, any agreement in conflict herewith. OR further covenants and agrees that he will command assigns, any facts known respecting said invente all divisional, continuing, reissue and foreign apple to aid the said ASSIGNEE, its successors, legal resaid invention in all countries.	isfer and set over, unto the said ASSIGNEE, its iterest in, to and under the said invention, and the ions thereof, and all Patents of the United States of; and all applications for industrial property lity models, and designs which may hereafter be ited States, together with the right to file such ed from said United States application under the Protection of Industrial Property, or any other y such application is filed, as may be applicable; action, patents, utility models, inventor's certifitry or countries foreign to the United States and and Trademarks of the United States, and any eduty it is to issue patents or other evidence or to issue the same to the said ASSIGNEE, its is of this instrument. Invey the entire interest herein assigned, and has nunicate to the said ASSIGNEE, its successors, tion, and testify in any legal proceeding, sign all plications, make all rightful oaths, and generally
	•	
	first inventor Kazuya ORUI	P 1 15 2222
inventor's signature _	Maznya Corus	Date December 15, 2000
Residence <u>Kawa si</u> Poet Office Address		CitizenshipJapanese
FUSE CHIEF AGGESS	c/o FUJITSU LIMITED, 1-1, Kamikoda Kawasaki 211-8588 Japan	anaka 4-cnome, Nakahara-ku,
	Maddani zii 0000 bapan	
Full name of second j	joint inventor, if any <u>Yasuhiro NAGASHIM</u>	4
_	mature Kanling Properties	Date December 15, 2000
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	c/o FUJITSU LIMITED, 1-1, Kamikoda	
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_		
_		
Full name of third join	nt inventor, if any Toshiaki HARIGAYA	
Third Inventor's signa	3 4.0 04	Date December 15, 2000
Residence	Kawasaki, Japan	Citizenship Japanese
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	Kawasaki 211-8588 Japan	

PATENT REEL: 013467 FRAME: 0122

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Inventor's Signature Chiham Minokawa	Date December 15, 2000
Residence Tokyo, Japan	
	Citizenship Japanese
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Full name of sixth joint inventor, if any	
Inventor's Signature	Date
Residence	
	Citizenship
Post Office Address	
Full name of seventh joint inventor, if any	,
Inventor's Signature	Date
Residence	
	Citizenship
Post Office Address	
Full name of eighth joint inventor, if any	
Inventor's Signature	Date
Residence	
•	Citizenship
Post Office Address	

PATENT REEL: 013467 FRAME: 0123 The Names and Addresses of Assignee's are:

- 1. FUJITSU LIMITED 2. FUJITSU TAKAMISAWA COMPONENT LIMITED 3. HONDA TSUSHIN KOGYO CO., LTD
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- 2. 3-5, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8630 Japan
- 3. 6-18-12 Meguro-honcho Meguro-ku, Tokyo 152-8520 Japan

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RECORDED: 02/19/2002