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TO: The Come Submission	missioner of Patents and Tradema 1 TVDe	ks: Please record the attached original Conveyance Type	linal document(s) or copy(les).
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Conveying	•	Mark if additional names of conv	reying parties attached Execution Date Month Day Year
Name (line 2)	Tadashi TAKABA		02 09 01
Second Party			Execution Date Month Daty Year
Name (line 1)	Masanobu SHIGYO		02 09 01
Name (line 2)			
Receiving P		Mark if additions	names of receiving parties attached
Name (line 1)	FUJITSU LIMITED		is an assignment and the receiving party is not
Name (line 2)			domicilius in the Linked States, as appointment of a domestic
Address (line 1)	1-1, Kamikodanaka, 4-chome		representative is attached. (Designation must be a asperate document from
Address (line 2)	Nakahara-ku, Kawasaki-shi		Assignment)
Address (un= 3)	Kanagawa	Japan State County	211-8588 Zip Code
Domestic Re	epresentative Name and A	Idress Enter for the first Rec	siving Party only.
Name			
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Address (line 2)			
Address (line 3)			
Address (line 4)			
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FORM PTO-1619B Equine 08/30/56 CMR 0651-0027 Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address Area Code and Telephone Number	(212)643-5000
Name Helfgon & Karas, P.C.	
Address (line 1) Empire State Building	
Address (Ime 2) 60th Floor	
Address (line 3) New York, New York 10118	
Address (time 4) Attorney Docket No.: FUIS 18.380	
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If this document is being filed together with a new Patent Application, enter the date the patent application	was Month Day Year
signed by the first named executing inventor.	
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has not been assigned.	1
Number of Properties Enter the total number of properties involved. #	1
Fee Amount for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment: Enclosed X Deposit Account	
Deposit Account	00.1624
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Authorization to charge additional fees:	Yas X No
Statement and Signature	1 and 2011
Statement and Signature To the best of my knowledge and belief, the foregoing information is true and attached copy is a true copy of the original document. Charges to deposit a attached homio.	d correct and any ccount are authorized, as
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indicated heroin.	3/08/01
Samson Helfgott Signature	Date
Name of Person Signing	

UNITED STATES

ASSIGNMENT

Docker No.	FUJS	18	١.	38	(

or which		
lieck one)	(k) an application is being filed concurrently herewith.	
	[] an application for a Patent of the United States was filed on	
	[] and given Application Serial No.	
d WHERE		
	e of business at 1-1, Kamikodanaka 4-chome, Nakahara-ki	u, Kawasaki-shi,
	m 211-8588 Japan obtaining the entire right, title and interest in, to and under the said invent	
luable con- red and se- ccessors, le id United S nich may be nection, in- ed for said plications a tent Laws ternational i d all forms tes and des extensions ASSIGN fficial of an	HEREFORE, in consideration of the sum of One Dollar (\$1.00) to me insideration, the receipt of which is hereby acknowledged, the said ASSIC tover, and by these presents does hereby sell, assign, transfer and set over gal representatives and assigns, the entire right, title and interest in, to and tates application and all divisions, renewals and continuations thereof, and egranted thereon and all reissues and extensions thereof; and all applications, without limitation, all applications for patents, utility models, and invention in any country or countries foreign to the United States, tog and the right to claim for the same the priority rights derived from said United Interest in the United States, the International Convention for the Protection of agreement or the domestic laws of the country in which any such application of industrial property protection, including, without limitation, patents, igns which may be granted for said invention in any country or countries is, renewals and reissues thereof; OR authorizes and requests the Commissioner of Patents and Trademarity country or countries foreign to the United States, whose duty it is to instruct the property protection on applications as aforesaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid, to issue the sate and the property protection on applications as a foresaid.	er, unto the said ASSIGNEE, its under the said invention, and the all Patents of the United States of lications for industrial property i designs which may hereafter be tether with the right to file such mited States application under the Industrial Property, or any other ion is filed, as may be applicable; utility models, inventor's certification to the United States and ks of the United States, and any saile patents or other evidence or time to the said ASSIGNEE, its
AND AS it executed, AND AS gal represent wful papers	egal representatives and assigns, in accordance with the convey the entire SIGNOR covenants and agrees that he has full right to convey the entire and will not execute, any agreement in conflict herewith. SSIGNOR further covenants and agrees that he will communicate to the natives and assigns, any facts known respecting said invention, and testify the said divisional, continuing, reissue and foreign applications, makes, execute all divisional, continuing, reissue and foreign applications, makes, execute and the said ASSIGNEE, its successors, legal representatives.	said ASSIGNEE, its successors, in any legal proceeding, sign all
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RECORDED: 03/08/2001

Full name of fourth joint inventor, if any _	Junji SATOH
	Date February 9, 2001
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	Citizenship Japanese
Post Office Address c/o FUJITSU NISHI-NIHON	COMMUNICATION SYSTEMS LIMITED,
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Full name of fifth joint inventor, if any	Kusuo YONEZAWA
Inventor's Signature Kusu o Yongawa Residence Fukuoka, Japan	Date February 9, 2001
	Citizenship Japanese
Post Office Address c/o FUJITSU NISHI-NIHON	COMMUNICATION SYSTEMS LIMITED,
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Full name of sixth joint inventor, if any	Hidetoshi KAWAKAMI
Inventor's Signature Hidetoski Kawakami	Date February 9, 2001
Residence Fukuoka, Japan	
	Citizenship Japanese
Post Office Address c/o FUJITSU NISHI-NIHON	COMMUNICATION SYSTEMS LIMITED.
2-1, Momochihama 2-chome, Sawara-ku, Fukuok	a-shi, Fukuoka 814-8588 Japan
Full name of seventh joint inventor, if any	Koji KAWASE
Inventor's Signature Kon' Kamase	Date February 9, 2001
Residence Fukuoka, Japan	•
	Citizenship Japanese
Post Office Address c/o FUJITSU NISHI-NIHON	COMMUNICATION SYSTEMS LIMITED.
2-1 Momochihama 2-chome, Sawara-ku, Fukuok	a-eul' tuknova eta-egge geber-
Full name of eighth joint inventor, if any	Hiroshi 110H
Inventor's Signature Kinoshi Ston	Date February 13, 2001
Residence Kawasaki, Japan	
VESTHEIRE	Citizenship Japanese
Post Office Address C/O FUJITSU LIMITED, 1-	1. Kamikodanaka 4-chome, Nakahara-ki
Kawasaki-shi, Kanagawa 211-8588 Japan	
Kawasaki-biii, kalingan	