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PTO-1695 (flov. 0-83) OMIT flo-0051 0011 (exp. 4/84) Inb sellings ⇔ r> ⇔ ▼	11-26-1999	M COVER SHEET ONLY	U.S. DEPANTMEN Patont nu	I OF COMMENCE I Indomnk Ollico
To the Honorable Co	101206631	nse record the attached original		
Name of conveying party(les): (1)Yoshihiro SHIMIZU		2. Name and address of receiving party(les)		
Additional name(s) of conveying party(les) attached? 니 Yes 정 No		Internal Address:		09/43 09/43
3. Nature of conveyance:				
₩ Assignment	⊔ Merger	Street Address: 1-1,	Kami kodanaka	4-chome,
U Security Agreement	U Change of Name	Nakahara-ku,	Kawasaki-shi,	
U OtherAugus	t 10, 1999	Cily: <u>Kanagawa</u> Country: Japan Additional name(s) 8 nddiess(
4. Application number(s) or	r patent number(s):			
II this document is being	y filed together with a new application	n, the execution date of the app	olication is:Augus	st 10, 1999
A. Palent Application N	10.(a) G9/4/39305	B. Palent No.(s)		
DOCKET NO.: FUJS	16.702 Additional numbers at	Inched? U Yes U No		
5. Name and address of party to whom correspondence 11/24/@gggcgaphic document should be malled: 4 FC:541		6. Total number of applications and patents involved:		
Name: HELFGOTT & KARAS P.C.		7. Total fee (37 CFR 3.41)\$40.00		
Internal Address: EMPTRE STATE BUILDING		ଷ Enclosed		
60TH FLOOR		Cl. Authorized to be charged to deposit account		
Street Address: 350	5TH AVENUE	8. Deposit account numbe	DI:	
SUITE 6024		08-1634		
Clly NEW YORK	Clly NEW YORK State: NY ZIP: 10118		(Attach duplicate copy of this page if paying by daposit account)	
	DO HOT U	SE THIS SPACE		
9. Statement and signatur To the best of my know the original document.	io. wledge and belief, the longgoing Infon	mation is true will correct and i		
Samson Helfgo Name of Person S	lyning	Signature g cover sheet, gitachmants, and docu		12/99 Date
Reg. No.: 23,072	rotat tirtuinut of badaa tuctuniu	A covar supprintacionants, and doco		

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 2023 i

Filed by Express Mall (Receipt Not 15 7/57/05) on L1/2/55 pursuant to 37 C.F.R. 1.10. by

> PATENT REEL: 010393 FRAME: 0242

UNITED STATES

ASSIGNMENT

Docket No. FUJS 16.702

[] an application for a Patent of the United States was filed on [] and given Application Serial No.		elow named inventor, ASSIGNOR, has made a		
(check one) [sd an application is being filed concurrently herewith, [] an application for a Patient of the United States was filed on [] and given Application Serial No. [] ASSIGNEE is decirous of obtaining the entire right, title and interest in, to and under the said invention and the said application: NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby self, assign, transfer and set over, unto the said ASSIGNORE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of Industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States and septications and the right to claim for the same the priority rights derived from said United States and termatical property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention of an another property, or any other international Conventi	NODE DEVICE	H SWITCHING RING NETWORK, HITLE	ESS PATH SWITCHING TE	PANSMISSION SYSTEM,
(check one) [3] an application is being filed concurrently herewith, [1] an application for a Patent of the United States was filed on [2] and given Application Serial No. [3] and WHERRAS, FUJITSU LIMITED [4] having a place of business at 1-1, Kemikodanaka 4-chome, Nakabara-ku, Kawanaki-shi, Kanangawa 211-6588 Japan	for which	HITI EGG DATH SWITCHING F	RING NETWORK, AND FAI	LURE OCCURRENCE-TIME
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and given Application Serial No. and WHEREAS, FUJITSU LIMITED having a place of business at 1-1, Kamukodanaka 4-chome, Nakaharra-ku, Kawasaki-shi, Kanagawa 211-8588 Japan ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application: NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, ransfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States applications and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may protection in claim for the same the priority rights derived from said United States, the International agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States and all extensions, renewals and reissues thereof; ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on a	(check one) [x]	an application is being filed concurrently he	rewith,	
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Is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application: NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby sectionwedged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presente does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be reflect to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and relissues thereof; ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeded, in the patents of the united States a	having a place of b		me, Nakahara-ku, Kaw	asaki-shi.
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said Obligation and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all relissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filled for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal				
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legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries. Full name of sole or first inventor Yoshihiro SHIMIZU Inventor's signature Kawasaki-shi, Kanagawa, Japan Citizenship Japanese Post Office Address C/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan Full name of second joint inventor, if any Second Inventor's signature Citizenship Date Citizenship Other Address Citizenship Date Citizenship Date	ferred and set over, successors, legal resaid United States a which may be grap protection, including filed for said inversapplications and the Patent Laws of the international agreement and all forms of incates and designs wall extensions, renew ASSIGNOR at Official of any cour forms of industrial successors, legal reparts and ASSIGN and ASSIGN not executed, and we	, and by these presents does hereby sell, assign presentatives and assigns, the entire right, title application and all divisions, renewals and conted thereon and all reissues and extensionary, without limitation, all applications for pateration in any country or countries foreign to eright to claim for the same the priority right. United States, the International Convention ment or the domestic laws of the country in which may be granted for said invention in an wals and reissues thereof; authorizes and requests the Commissioner of intry or countries foreign to the United States property protection on applications as afor presentatives and assigns, in accordance with to CR covenants and agrees that he has full right ill not execute, any agreement in conflict here	gn, transfer and set over, unto and interest in, to and under to intinuations thereof, and all Pass thereof; and all application ints, utility models, and design the United States, together was derived from said United States for the Protection of Industrianch any such application is fill the limitation, patents, utility may country or countries foreign Patents and Trademarks of the whose duty it is to issue pates and to issue the same to the terms of this instrument. In to convey the entire interests with.	the said ASSIGNEE, its he said invention, and the stents of the United States as for industrial property is which may hereafter be with the right to file such ates application under the all Property, or any other led, as may be applicable; models, inventor's certificate to the United States and in the United States and in the United States, and any ents or other evidence or the said ASSIGNEE, its
Full name of sole or first inventor Yoshihiro SHIMIZU Inventor's signature Yoshihiro Shimizu Date August 10, 1999 Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese C/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan Full name of second joint inventor, if any Second Inventor's signature Post Office Address Citizenship Date Citizenship Date Citizenship Post Office Address Citizenship Date Citizenship	legal representative lawful papers, exec do everything possi	s and assigns, any facts known respecting said ute all divisional, continuing, reissue and fore ble to aid the said ASSIGNEE, its successors,	I invention, and testify in any eign applications, make all rig	legal proceeding, sign all htful oaths, and generally
Full name of sole or first inventor Inventor's signature	proper protection to	•		
Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese Post Office Address C/O FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan Full name of second joint inventor, if any Second Inventor's signature Date Residence Citizenship Post Office Address f third joint inventor, if any conature Date Date	Full name of sole or	r first inventor		
Post Office Address C/O FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan Full name of second joint inventor, if any Second Inventor's signature Post Office Address fthird joint inventor, if any conature Date Date				
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RECORDED: 11/12/1999

PATENT REEL: 010393 FRAME: 0243