Form F TO-1595 1-3-92 07-16-2001



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	101777	'580	Attorney Docket No.: 81890.0027						
To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.									
1.	Name of conveying party(ies): 7-6-01	2. Name	and address of receiving party(ies):						
	Hiroaki MIYAMURA Saeko TODA Tetsuo TANDA	6, Take	ERA CORPORATION eda, Tobadono-cho, Fushimi-ku, shi, Kyoto, 612-8501 Japan						
Additional name(s) of conveying party(ies) attached? Yes No		-							
3.	Nature of conveyance:								
			÷ ė.						
	Execution Date: May 30, 2001	i d							
		Additio	nal 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 application, the execu	ution date of t	he application is:						
	A. Patent Application No.(s) 09/848,782	B. P	atent No.(s)						
Additional numbers attached? Yes No									
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total r	umber of applications and patents involved: [1]						
	Michael Crapenhoft, Esq. HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071	7. Total f	ee (37 CFR 3.41) \$40.00						
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9.	Statement and signature.								
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.									
Michael Crapenhoft Date: July 3, 2001									
OMB No. 0651-0011 (exp. 4/94)									
Mail documents to be recorded with required cover sheet information to:									
Assistant Commissioner for Patents									
Box Assignments Washington, D.C. 20231									

ASSIGNMENT

(1-8)	Insert Name(s) of Invento	or(s) (1) I	Hiroaki MIYAM	JRA	(5)				
		(2) §	Saeko TODA		(6)				
		(3) ៗ	Tetsuo TANDA		(7)				
		(4)			(8)				
			considerations pa		ollar (\$1.00) and other gundersigned, the undersister and set over to				
(9)	Insert name of Assignee	(9) H	(yocera Corpo	ration		-			
(10)	Insert state of Incorporation	on of (10)							
(44)	Assignee Insert address of Assigne	o (11)	6, Takeda,	Tobadono-cho	, Fushimi-ku,				
(11)	Insert address of Assigne	e (11)	(hereinafter designanterest in the inve	Kyoto, 612–89 nated as the Assign Intion known as	501 JAPAN ee) the entire worldwide r	right, title and			
(12)	Insert identification of Inve	. ,							
	such as Title, Case Numb Foreign Application Numb	as Title, Case Number or for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.							
(13)	Insert Date of Signing of Application	(13)	on						
1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.									
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.									
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.									
United	The undersign States patent to the Assign		perform all affirmat	ive acts which may	be necessary to obtain a	grant of a valid			
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.									
The undersigned hereby appoints STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; WILLIAM H. WRIGHT, Reg. No. 36,312; DAVID LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690; ALFRED A. D'ANDREA, JR., Reg. No. 27,752; WILLIAM J. KUBIDA, Reg. No. 29,664; STUART T. LANGLEY, Reg. No. 33,940; MICHAEL BYORICK, Reg. No. 34,131; CAROL W. BURTON, Reg. No. 35,465; STEVEN C. PETERSON, Reg. No. 36,238; STEVEN K. BARTON, Reg. No. 36,445; SARAH S. O'ROURKE, Reg. No. 41,226; E. MATTHEW G. DYOR, Reg. No. 42,278, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.									
	May. 80. 200/ 8	Signature of Inv	ventor <u>Zirov</u>	rki Miyamu	rev				
Date: May 30 200/ Signature of Inventor Socke Joda									
Date: May 30 200/ Signature of Inventor Jatsuo Janda									

Date: _____ Signature of Inventor____

PATENT REEL: 011963 FRAME: 0883