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ER LETTER

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Attorney Docket No.: 81887.0086 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Tetsuo TANDA KYOCERA CORPORATION 6 Takeda Tobadono-cho, Additional name(s) of conveying party(ies) attached? Yes No Fushimi-ku, Kyoto, 612-8501, Japan Nature of conveyance: Assignment Execution Date: August 28, 2001 29/148057 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 application, the execution date of the application is: August 28, 2001 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes ⊠ No 6. Total number of applications and patents involved: [1] Name and address of party to whom correspondence concerning document should be mailed: Michael Crapenhoft, Esq. 7. Total fee (37 CFR 3.41) \$40.00 HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071 Authorized to be charged to deposit account 8. Deposit account number: 50-1314 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. September 10, 2001 wrence/

Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

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> **PATENT** REEL: 012181 FRAME: 0663

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ASSIGNMENT

			_	(5)			
(1-8)	Insert Name(s) of Inventor(s)		Tetsuo Tanda	(5)			
		(2) (3)		(6) (7)			
		(4)		(8)			
		(4)	considerations paid	te sum of one dollar (\$1.00) and other good and value each of the undersigned, the undersigned agre to each of the undersigned to satisfy the second second in the control of the undersigned agre to be second in the control of the c			
(9)	Insert name of Assignee	(9)	KYOCERA CORPOR	_			
(10)	Insert state of Incorporation of Assignee	of (10)	Kyoto, Japan				
(11)	Insert address of Assignee	(11)		adono-cho, Fushimi-ku, Kyoto, 612-8 ed as the Assignee) the entire worldwide right, title a on known as			
(12)	Insert identification of Invention such as Title, Case Number of Foreign Application Number			gned has (have) executed an application for patent in rica and all patent applications in foreign countries	ı the		
(13)	Insert Date of Signing of Application	(13)	on		-		
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.							
declar possit	The undersigned ared concerning this application of the in obtaining evidence and grant area.	n or contir	nuation or division the	cessary in connection with any interference which mare and to cooperate with the Assignee in every ce.	ay be way		
	 The undersigned sary in connection with claims ments. 	agree(s) 1 or provisio	to execute all papers ns of the International	and documents and perform any act which ma Convention for Protection of Industrial Property or s	y be imilar		
United	The undersigned states patent to the Assigned	agree(s) to e.	perform all affirmative	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.							
YANG LANG PETE MATT neces	RLACHER, Reg. No. 23,009 6, Reg. No. 38,690; ALFRED & GLEY, Reg. No. 33,940; MICH RSON, Reg. No. 36,238; S THEW G. DYOR, Reg. No. 4 Ssary or desirable in order to desirable	A. D'ANDR HAEL BYO TEVEN K. 12,278, the comply with	EA, JR., Reg. No. 27 RICK, Reg. No. 34,1 BARTON, Reg. No power to insert on the rules of the Unit	No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOH lo. 36,312; DAVID LUBITZ, Reg. No. 38,229; WEI- 752; WILLIAM J. KUBIDA, Reg. No. 29,664; STUAI 31; CAROL W. BURTON, Reg. No. 35,465; STEVE 36,445; SARAH S. O'ROURKE, Reg. No. 41,22 this assignment any further identification which maded States Patent and Trademark Office for recordat	EN C. 6; E. ay be ion of		
Date:	Aug. 28,200/ Sig	nature of Ir	oventor	o Tanda			
	Sig	nature of Ir	rventor				
Date	Sig	nature of I	nventor				
Date	ate: Signature of Inventor						

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