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	5-6-0 PA	102442895 Attorney Docket No.: 81872.0045					
To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.							
1.	Name of conveying party(ies):	Name and address of receiving party(ies):					
	Koichiro NIIRA Hirofumi SENTA Hideki HAKUMA Hiroki OKUI	KYOCERA CORPORATION 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto 612-8501 Japan					
Additional name(s) of conveying party(ies) attached? Yes No							
3.	Nature of conveyance:	e e e e e e e e e e e e e e e e e e e					
		710N					
	Execution Date: February 5, 2003	DECORDS					
		Additional name(s) & address(es) attached? ☐ Yes ☒ No					
4.	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:						
	A. Patent Application No.(s) 10/371,217	B. Patent No.(s)					
	Additional numbers at	ttached?					
5.	Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: [1]					
	Anthony J. Orler, Esq. HOGAN & HARTSON L.L.P.	7. Total fee (37 CFR 3.41) \$40.00					
	500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071	☐ Enclosed ☐ Authorized to be charged to deposit account					
		8. Deposit account number:					
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9. Statement and signature. To the best of ny knowledge and velief, the foregoing is true and correct and any attached copy is a true copy of the original document. Anthony J. Orler Date: May 2, 2003							
OMB No. 0651-0011 (exp. 4/94)							
Mail documents to be recorded with required cover sheet information to:							
08/2003 LINELLER 00000017 10371217 Assistant Commissioner for Patents							
FE18		on, D.C. 20231					

PATENT REEL: 014032 FRAME: 0196

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor	(2) (3)	Koichiro N Hirofumi S Hideki HAK Hiroki OKU	ENTA UMA I	(5) (6) (7) (8)		
			considerations p	aid to each of the	dollar (\$1.00) and other good and valuable undersigned, the undersigned agree(s) to asfer and set over to		
(9)	Insert name of Assignee	(9)	KYOCERA CO	RPORATION			
(10)	Insert state of Incorporatio Assignee				Japa		
(11)	Insert address of Assignee	(11)	(hereinafter designaterest in the inverse in the inverse in the inverse interest in the inverse intere	nated as the Assig ention known as ETHOD, FILM F			
(12)	Insert identification of Inve	ntion, (12)					
	such as Title, Case Number or Foreign Application Number		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							
possit	ole in obtaining evidence an	d going forwa	rd with such interf	erence.			
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 undersigned States patent to the Assignment		perform all affirm	ative acts which ma	y 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.							
				chiro Niira			
	2003/02/05 s	signature of In	ventor Idizof	umi Senta			
Date:	2003/02/05	Signature of In	ventor klideki) Hakema			
Date:	2003/02/05 s	Signature of In	ventor <u>Hiro</u>	ki Okui			

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RECORDED: 05/06/2003

PATENT REEL: 014032 FRAME: 0197