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U.S. DEPARTMENT OF COMM Patent and Trademark

RECO

Attorney Docket No.: 052380-5002 To the Commissioner for Patents: Please record the attached original documents or copy thereof. ATTN: BOX ASSIGNMENT 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): 1) Isabelle L. Joseph DOGUE Name: TDK Corporation 2) Hitoshi HATATE 3) Tsuneo KAGOTANI 4) Tsutomu AOYAMA Internal Address: Additional name(s) of conveying party(ies) attached? __ Yes X No 3. Nature of conveyance: Street Address: 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan __ Merger X Assignment _ Security Agreement __ Change of Name City: Other State: Zip: Execution Date: 1) September 17, 2000; 2) September 25, 2000; Additional name(s) & address(es) attached? 3) September 7, 2000 and 4) September 25, 2000 Yes X 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: 1) September 17, 2000; 2) September 25, 2000; 3) September 7, 2000 and 4) September 25, 2000 09690824 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached: Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: William O. Trousdell 7. Total fee (37 C.F.R §3.41): __\$40.00 X Enclosed **Internal Address:** Morgan, Lewis & Bockius LLP __ Authorized to be charged to deposit account 50-0310 Customer No. 009629 Street Address: 1800 M Street, N.W. 8. Deposit account number: 50-0310 City: Washington State: D.C. **Zip:** 20036 Attach duplicate of page if paying by deposit account 9. Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. William O. frousdell William O. Trousdell October 17, 2000 Name of Person Signing Signature Date in physics. Den best

Total number of pages including cover sheet, attachments and documents: 3

ATTORNEY DOCKET NO.: 052380-5002 SOLE/JOINT INVENTION

(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND APPARATUS FOR FORMING FINE EXPOSURE PATTERNS USING DUAL EXPOSURE

for which I/WE executed an application for United S States Letters Patent on, (Applicati		filed an application for United	
WHEREAS,TDK Corporation	, a corporation ofJapan_ nn (hereinafter referred to as Assign the application for United States Letters Pat	, whose post office address is nee), is desirous of securing the ent on this invention and the Letters	
NOW THEREFORE, be it known that, for gacknowledged, I/WE, as assignor(s), have sold, assigunto the assignee, its lawful successors and assigns, Mapplication, and all divisions, and continuations there all reissues thereof; and I/WE hereby authorize and reall Letters Patent for this invention to assignee, its succession.	MY/OUR entire right, title, and interest in and eof, and all Letters Patent of the United States request the Commissioner of Patents and Trad	sell, assign, transfer, and set over d to this invention and this s which may be granted thereon, and lemarks of the United States to issue	
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns. AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No			
IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).			
Full Name of Sole or First Assignor Isabelle Louis Joseph Dogue	Assignor's Signature	Date 109/17/2000	
Address 162 Avenue Victor Hugo, 38170 Seyssinet-Pariset, FRANCE		Citizenship France	
Full Name of Second Assignor Hitoshi Hatate	Assignor's Signature **Hitoshi Hatate**	Date 09/25/2000	
Address TDK Corporation 1-13-1. Nihonbashi, Chuo-ku, Tokyo 130-8272		Citizenship Japan	
Names of additional inventors attached [X] Yes	[] No		

Morgan, Lewis & Bockius LLP

PATENT REEL: 011239 FRAME: 0635

ATTORNEY DOCKET NO.: 049343-0000

ASSIGNMENT (U.S. Rights Only)

Full Name of Sole or Third Assignor Tsuneo Kagotani	Assignor's Signature Kayotami Tsumo	Date S ep. 7 , 2000
Address TDK Corporation 1-13-1, Nihonbashi, Chuo-ku, Tokyo 130-8272		Citizenship Japan
Full Name of Fourth Assignor Tsutomu Aoyama	Assignor's Signature Tautoma Augume	Date 09/25/2000
Address TDK Corporation 1-13-1, Nihonbashi, Chuo-ku, Tokyo 130-8272		Citizenship Japan
Names of additional inventors attached [] Yes	[X] No	

Morgan, Lewis & Bockius LLP

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RECORDED: 10/18/2000

PATENT REEL: 011239 FRAME: 0636