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Commissioner of Patents And Trademarks  
Washington, DC 20231

**RECORDATION COVER SHEET - U.S. PATENT APPLICATIONS  
AND U.S. PATENTS**

**Attn: BOX ASSIGNMENTS**

NAME OF CONVEYING PARTY	:	Yasuo KAMATANI
NAME OF RECEIVING PARTY	:	LASER DYNAMICS, INC.
ADDRESS OF RECEIVING PARTY	:	2-12-2, Yokohama Sagamihara City Kanagawa-ken 229-1122, Japan
NATURE OF CONVEYANCE	:	Assignment of U.S. patents and U.S. patent applications
CONVEYANCE EXECUTION DATE	:	July 1, 1998
U.S. PATENT APPLICATION NOS.	:	08/586,185; 08/702,908; 08/720,531; 08/747,628; 08/786,372.
U.S. PATENT NOS.	:	U.S.P. 5,361,269(08/082,493) U.S.P. 5,629,917(08/371,787) U.S.P. 5,577,148(08/384,746) U.S.P. 5,587,981(08/523,461).
APPLICATIONS FILED TOGETHER WITH THIS DOCUMENT	:	NO
CORRESPONDENCE ADDRESS	:	RABIN & CHAMPAGNE, P.C. 1725 K Street, N.W., Suite 1111 Washington, D.C. 20006
ATTORNEY REFERENCE	:	HAG 110
TOTAL NUMBER OF PATENTS AND APPLICATIONS INVOLVED	:	. Nine
TOTAL FEE PAID	:	\$360.00
METHOD OF PAYMENT	:	[X] Enclosed [ ] Authorized to be charged to deposit account

RECEIVED  
98 JUL 28 PM 4:19  
ASSIGNMENT

FREE ENCLOSED: \$360.00  
Please charge any further  
fee to our Deposit Account  
No. 18-0002

07/30/1998 DCDATES 00000017 08586185

01 FC:581 360.00 DP  
02 FC:584 120.00 DP

PATENT  
REEL: 9207 FRAME: 0235

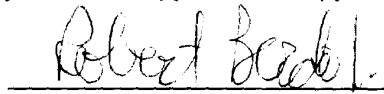
ASSIGNMENT RECORDATION  
COVER SHEET

JULY 27, 1998

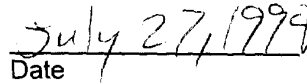
- 2 -

In the event there is attached hereto no check, or a check for an insufficient amount, please charge the fee to our Account No. 18-0002 and notify us accordingly.

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.



Robert H. Berdo, Jr.  
(Registration No. 38,075)



Date

RHB:lep

Total number of pages including cover sheet, attachments (Request for Expedited Notice of Recordation) and Assignment document: 5

HAG 110

98-1

Agency Reference 425 110

**ASSIGNMENT OF ISSUED UNITED STATES LETTERS PATENTS AND VARIOUS APPLICATIONS  
FOR UNITED STATES LETTERS PATENT**

**WHEREAS Yasuo Kametani**

hereinafter referred to collectively as the assignor, has invented certain improvements  
relating to:

TITLE	FILING DATE	APPLICATION NO	PATENT NO (IF APPLICABLE)
NON-MECHANICAL LASERBEAM SCANNING DEVICE EMPLOYING A DIFFRACTION GRATING AND -	8-28-93	08/082,493	5,361,269
INTEGRATED OPTICAL PICK-UP EMITS LIGHT BEAMS OF SELECTIVE WAVELENGTHS TO AN OPTICAL DISK WITH MULTIPLE DATA LAYERS	1-12-96	08/371,787	5,629,917
LASER SCANNING APPARATUS WITH INTERACTIVE OPTICAL SIGNAL TRANSMITTING UNIT (AMENDED)	11-19-96	08/384,746	5,577,148
MULTI-STANDARD OPTICAL DISK READING METHOD HAVING DISTINCTION PROCESS	8-6-95	08/523,461	5,697,981
OPTICAL DISK READING METHOD FOR MULTI-LAYERED OPTICAL DISK SYSTEM	1-16-96	08/586,185	
OPTICAL PICK-UP APPARATUS FOR MULTIPLE DATA SURFACE OPTICAL DISK SYSTEM	8-28-96	08/702,908	
DATA RECORDING & REPRODUCING METHOD FOR MULTI- LAYERED OPTICAL DISK SYSTEM	9-30-96	08/720,531	
LASER BEAM SCANNING APPARATUS	11-13-96	08/747,628	
MULTI-STANDARD OPTICAL DISK READING APPARATUS AND METHOD OF READING USING SAME	1-16-97	08/786,372	

**AND WHEREAS Laser Dynamics, Inc., 2-11-3, Yokohama, Kanagawa Pref., 1122 JAPAN**, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said applications and patents, including any and all divisions and continuations thereof, and in and to said inventions and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said applications and patents, including any and all divisions and continuations thereof, and in and to said inventions and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said applications and patents, including any and all divisions and continuations thereof, and the said inventions and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made.

AND said assigner hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assigner authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said applications, and on any and all divisions and continuations of said applications and patents, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 1 day of July, 1998.

WITNESSES:

Signature: M. Hagihara  
Name: Makoto HAGIHARA

ASSIGNOR:  
Signature: Yasuo Kamatani  
Name: YASUO KAMATANI

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Signature: Terumi Nakajima  
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RABIN & CHAMPAGNE, P.C., Washington, D.C.