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SHEET

U.S. DEPARTMENT OF COMMERCI Patent and Trademark Offic

To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: GIGAPHOTON INC. 1) Junichi FUJIMOTO; 11-15-07 400, Yokokura-shinden, Oyama-shi, 2) Hakaru MIZOGUCHI; and Tochigi 323-0819 Japan 3) Tatsuo ENAMI and Additional name(s) of conveying party(ies) attached? No Name: KOMATSU LTD. 3-6. Akasaka 2-chome, Minato-ku, 3. Nature of conveyance: Tokyo 107-8414 Japan Assignment Merger Name: USHIO DENKI KABUSHIKI KAISHA Change of Name Security Agreement 2-6-1, Ote-machi, Chiyoda-ku, Other _ Tokyo 100-0004 Japan Execution Date: September 25, 2007 Additional name(s) & address(es) attached? 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: September 24, 2007 and September 25, 2007 B. Patent No.(s) A. Patent Application No.(s) . issued Additional numbers attached? No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41). \$40.00 Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Michael S. Huppert, Esq. (Check No. \$333) Authorized to be charged to deposit account Street Address: 2033 K Street, N.W., Suite 800 8. Deposit account number: 23-0975 City: Washington, State: DC ZIP: 20006-1021 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Michael S. Huppert, Reg. No.40,268 November 15, 2007 Date Name of Person Signing Total number of pages including cover sheet: OMB No. 0651-0011 (exp. 4/94) Do not detach this portion 11/16/2007 AWONDAF1 00000056 11984292 Mail documents to be recorded with required cover sheet information: 84 FC:8821 THE COMMISIONER IS AND HIGH ZED TO CHARGE ANY DEFICIENCY IN TH Commissioner and Assistant Secretary of Patents and Trademarks FEES FOR THIS PAPER TO DEROSIT Box Assignments **ACCOUNT NO. 23-0975** Alexandria, VA 22313

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DOCKET NO. 2007_1966A

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s)

Junichi FUJIMOTO

Hakaru MIZOGUCHI

Tatsuo ENAMI

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) of Assignee(s) Address

Insert Name(s) GIGAPHOTON INC., and, KOMATSU LTD., and, USHIO DENKI KABUSHIKI KAISHA,

400, Yokokura shinden, Oyama shi, Tochigi 323-0819 Japan, and, of 3-6, Akasaka 2-chome, Minato-ku, Tokyo 107-8414 Japan, and, 2-6-1, Ote-machi, Chiyoda ku, Tokyo 100-0004 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention

CHAMBER REPLACING METHOD

for which an application for patent in the United States has been executed by the undersigned

Date of Signing of Application

September 25, 2007

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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 or reissue 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, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 Office for recordation of this document.

PATENT REEL: 020163 FRAME: 0687

	In witness whereof, execu	ted by the undersig	ned on the date(s)	opposite the undersigned
name	(S).	_		
Date .	September 25, 200	$\frac{1}{1}$, Name of the Inverse	entor Junichi FUJ	MOTO,
Date .	September 25, 200° September 25, 200°	7 Name of the Inv	entor	om Misgne.
Date .	September 25, 200	7_, Name of the Inv	entor Taksuo ENA	hM.
Date .		, Name of the Inv	entor	
Date .		, Name of the Inv	entor	
Date .		, Name of the Inv	entor	
Date .		, Name of the Inv	entor	
then 1	(This assignment should) the execution by the Invento			nited States Consul. If not, yo witnesses who sign here.
	Witness	atgas Wini	772	MIMURA
	Witness	Koichi Saso	ki Yoichi	SASAKI
		ACKNOWLE	DGMENT	
	This	day of		. 20 before me
forego	nally came the above-name ping assignment, who did ac vill for the purposes therein	d me personally kno knowledge to me th	wn as the individu	al(s) who executed the
SEAL			Offici	al Signature
007.0		-	Offici	al Title
	The above application ma	y be more particula	rly identified as foll	ows:
U.S. A	Application Serial No.	-	Filing Date	November 15, 2007
	cant Reference Number			
	of Invention			

2