



03-11-2010



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Docket No.: 050083-0254

To the Director of the U. S. Patent and Tra

Documents or the new address(es) below.

1. Name of Conveying Party(ies)

Takanobu ISHIHARA, Hiroshi ITAFUJI

2. Name and address of receiving party(ies)

Name: 1) GIGAPHOTON INC.

2) CKD CORPORATION

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): February 26, 2010 and March 3, 2010
(respectively)☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ OtherAddress: 1) 400 Yokokurashinden, Oyama-shi, Tochigi
323-8558 JAPAN2) 250, Ouj 2-chome, Komaki-shi, Aichi 485-
8551 JAPANAdditional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No(s).

12/646,025

☐ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

Fax Number: 202.756.8087

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

☐ Authorized to be charged by credit card☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card ~~03/10/2010~~ ~~12/646,025~~ ~~01 FC:002~~ ~~500417~~ ~~12646025~~

b. Deposit Account Number 500417

Authorized User Name

9. Signature.

Stephen A. Becker 26,527

March 8, 2010

Name and Registration No. of Person Signing

Signature

Date

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

3

PATENT

REEL: 024064 FRAME: 0075

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

Gigaphoton Inc.

400 Yokokurashinden, Oyama-shi, Tochigi 323-8558 Japan and

CKD CORPORATION

250, Oujii 2-chome, Komaki-shi, Aichi 485-8551 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

TARGET SUPPLY APPARATUS, CONTROL SYSTEM, CONTROL APPARATUS AND CONTROL CIRCUIT THEREOF

relating to International Patent Application _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on December / 23 / 2009

Serial No. 12 / 646,025

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Takanobu Ishihara</u> (Signature)	<u>Takanobu ISHIHARA</u> (Type Name)	<u>Feb. 26, 2010</u> (Date)
2) _____ (Signature)	<u>Hiroshi ITAFUJI</u> (Type Name)	_____ (Date)
3) _____ (Signature)	_____ (Type Name)	_____ (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)

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(a) executed on _____; (Insert date of execution of application, if not concurrent)

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Serial No. 12 / 646,025;

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) _____ (Signature)	Takanobu ISHIHARA (Type Name)	_____ (Date)
2) <u>Hiroshi Itafuji</u> (Signature)	Hiroshi ITAFUJI (Type Name)	Mar. 3, 2010 (Date)
3) _____ (Signature)	_____ (Type Name)	_____ (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)