

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KOMATSU LTD.	04/23/2010
RECEIVING PARTY DATA	
Name:	GIGAPHOTON INC.
Street Address:	2-6-1 Otemachi, Chiyodu-ku,
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-0004
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	12385835
Application Number:	12385955
Application Number:	12453058
Application Number:	12385569
Application Number:	12482796
Application Number:	12482824
CORRESPONDENCE DATA	
Fax Number:	(202)721-8250
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-721-8200
Email:	wlp@wenderoth.com
Correspondent Name:	Wenderoth, Lind & Ponack, LLP
Address Line 1:	1030 15th Street, N.W.
Address Line 2:	Suite 400 EAST
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005
NAME OF SUBMITTER:	Kelly J. Fore

OP \$240.00 12385835

Total Attachments: 12

source=ASSIGNMENTS#page1.tif

source=ASSIGNMENTS#page2.tif

source=ASSIGNMENTS#page3.tif

source=ASSIGNMENTS#page4.tif

source=ASSIGNMENTS#page5.tif

source=ASSIGNMENTS#page6.tif

source=ASSIGNMENTS#page7.tif

source=ASSIGNMENTS#page8.tif

source=ASSIGNMENTS#page9.tif

source=ASSIGNMENTS#page10.tif

source=ASSIGNMENTS#page11.tif

source=ASSIGNMENTS#page12.tif

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on September 3, 2009

at Reel 023189 Frame 0732

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: SLAB TYPE LASER APPARATUS

and which is found in U.S. Patent application Serial No. 12/482,824, filed June 11, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this
April 23, 2010 (Date of signing).

T. Hanamoto
Signature of ASSIGNOR

Tadayaki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/482,824 Filing Date June 11, 2009

Applicant Reference Number FP1119US Atty Docket No. 2009_0913A

Title of Invention SLAB TYPE LASER APPARATUS

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on September 3, 2009

at Reel 023189, Frame 0934

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

and which is found in U.S. Patent application Serial No. 12/482,796, filed June 11, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this

April 23, 2010 (Date of signing).

T. Hanamoto
Signature of ASSIGNOR

Tadayaki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/482,796 Filing Date June 11, 2009

Applicant Reference Number FP1118US Atty Docket No. 2009_0912A

Title of Invention EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on July 7, 2009

at Reel 022920 Frame 0847

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

and which is found in U.S. Patent application Serial No. 12/385,569, filed April 13, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this
April 23, 2010 (Date of signing).

J. Hanamoto
Signature of ASSIGNOR

Tadayuki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/385,569 Filing Date April 13, 2009

Applicant Reference Number FP1117US Atty Docket No. 2009_0573A

Title of Invention EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on July 20, 2009

at Reel 022976 Frame 0001

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

and which is found in U.S. Patent application Serial No. 12/453,058, filed April 28, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this
April 23, 2010 (Date of signing).

J. Hanamoto
Signature of ASSIGNOR

Tadayaki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

_____ }
_____ } ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/453,058 Filing Date April 28, 2009

Applicant Reference Number FP1114US Atty Docket No. 2009_0683A

Title of Invention EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on August 21, 2009

at Reel 023128, Frame 0730

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: EXTREME ULTRAVIOLET LIGHT SOURCE APPARATUS AND NOZZLE PROTECTION DEVICE

and which is found in U.S. Patent application Serial No.12/385,955, filed April 24, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this

April 23, 2010 (Date of signing).

J. Hanamoto
Signature of ASSIGNOR

Tadayuki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/385,955 Filing Date April 24, 2009

Applicant Reference Number FP1113US Atty Docket No. 2009 0673A

Title of Invention EXTREME ULTRAVIOLET LIGHT SOURCE APPARATUS AND NOZZLE PROTECTION DEVICE

ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: KOMATSU LTD.
2-3-6, Akasaka, Minato-ku
Tokyo, Japan 107-8414

to whom an Assignment was Recorded on July 13, 2009

at Reel 022945 Frame 0206

hereby sells, assigns and transfers to

ASSIGNEE: GIGAPHOTON INC.
2-6-1 Otemachi, Chiyodu-ku,
Tokyo, Japan 100-0004

and the successors, assigns and legal representatives of the ASSIGNEE, the Assignor's entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled: EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS

and which is found in U.S. Patent application Serial No. 12/385,835, filed April 21, 2009.

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., 1030 15th Street, N.W., Suite 400 EAST, Washington, D.C. 20005, 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 recordal of this document.

IN WITNESS WHEREOF, I/WE have hereunto set hand and seal this
April 23, 2010 (Date of signing).

J. Hanamoto
Signature of ASSIGNOR

Tadayuki Hanamoto
(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

General Manager of Intellectual Property Department
Title

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masaaki Okamoto

Witness Toshitaka Kurosawa

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 12/385,835 Filing Date April 21, 2009

Applicant Reference Number FP1112US Atty Docket No. 2009_0646A

Title of Invention EXTREME ULTRA VIOLET LIGHT SOURCE APPARATUS