

12-30-1999

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To the Honorable Commissioner of Patents &amp;

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original documents or copy thereof.

## 1. Name of conveying party(ies):

Mitsuko SHIMIZU, Takayuki ABE, Hirohito ANZE, Susumu JOGI, Takashi KAMIKUBO, Eiji MURAKAMI, Yoshiaki HATTORI, Tomohiro IJIMA, Hitoshi HIGURASHI and Kazuto MATSUKI

## 2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA

Address: 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan

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

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: November 29, 29, 30, 29, 29,  
29, 30, 30, 29, and 29, 1999Additional name(s) and address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

09/459648

If this document is being filed together with a new application, the execution date of the application is: November 29, 29,  
30, 29, 29, 29, 30,  
30, 29, and 29, 1999

## A. Patent Application No.(s)

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

OBLOM, SPIVAK, McCLELLAND, MAIER &  
NEUSTADT, P.C.  
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Arlington, Virginia 22202

## 6. Total applications and patents involved: 1

## 7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number: 15-0030

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## 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.*

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Date

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## Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Mitsuko SHIMIZU, Takayuki ABE, Hirohito ANZE,  
Susumu OOGI, Takashi KAMIKUBO, Eiji MURAKAMI,  
Yoshiaki HATTORI, Tomohiro IIJIMA, Hitoshi  
HIGURASHI and Kazuto MATSUKI

who have created a certain invention for which an application for United States Letters Patent

- ☒ executed by ME/US on even date herewith,  
☐ executed by ME/US on \_\_\_\_\_,  
(respectively).  
☐ filed on \_\_\_\_\_ and assigned  
Serial No. \_\_\_\_\_,  
☐ filed as International Application No. \_\_\_\_\_  
\_\_\_\_\_ filed on \_\_\_\_\_

and entitled:

**"CHARGED BEAM LITHOGRAPHY SYSTEM"**

Do hereby sell, assign and transfer to KABUSHIKI KAISHA TOSHIBA, a corporation of Japan, having a place of business at 72, Horikawa-Cho, Setwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that KABUSHIKI KAISHA TOSHIBA, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

PATENT

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さらに、下記に署名した私／私達はこの譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私／私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名	Full name of sole or first inventor
Mitsuko SHIMIZU	
発明者の署名	Inventor's signature
日付	Date
Nov. 29, 1999	Mitsuko Shimizu
第二共同発明者 (いる場合)	Full name of second joint inventor, if any
Takayuki ABE	
第二共同発明者の署名	Second inventor's signature
日付	Date
Nov. 29, 1999	Takayuki ABE
第三共同発明者 (いる場合)	Full name of third joint inventor, if any
Hirohito ANZE	
第三共同発明者の署名	Third inventor's signature
日付	Date
Nov. 30, 1999	Hirohito Anze
第四共同発明者 (いる場合)	Full name of fourth joint inventor, if any
Susumu OOGI	
第四共同発明者の署名	Fourth inventor's signature
日付	Date
Nov. 30, 1999	Susumu Oogi
第五共同発明者 (いる場合)	Full name of fifth joint inventor, if any
Takashi KAMIKUBO	
第五共同発明者の署名	Fifth inventor's signature
日付	Date
Nov. 29, 1999	Takashi Kamikubo
第六共同発明者 (いる場合)	Full name of sixth joint inventor, if any
Eiji MURAKAMI	
第六共同発明者の署名	Sixth inventor's signature
日付	Date
Nov. 29, 1999	Eiji Murakami
第七共同発明者 (いる場合)	Full name of seventh joint inventor, if any
Yoshiaki HATTORI	
第七共同発明者の署名	Seventh inventor's signature
日付	Date
Nov. 30, 1999	Yoshiaki Hattori
第八共同発明者 (いる場合)	Full name of eighth joint inventor, if any
Tomohiro IJIMA	
第八共同発明者の署名	Eighth inventor's signature
日付	Date
Nov. 30, 1999	Tomohiro Iijima

第九共同発明者 (いる場合)		Full name of ninth joint inventor, if any Hitoashi HIGURASHI	
第九共同発明者の署名	日付	Ninth inventor's signature	Date
	Nov. 29, 1999	Hitoashi Higurashi	
第十共同発明者 (いる場合)		Full name of tenth joint inventor, if any Kazuto MATSUKI	
第十共同発明者の署名	日付	Tenth inventor's signature	Date
	Nov. 29, 1999	Kazuto Matsuki	
第十一共同発明者 (いる場合)		Full name of eleventh joint inventor, if any	
第十一共同発明者の署名	日付	Eleventh inventor's signature	Date
第十二共同発明者 (いる場合)		Full name of twelfth joint inventor, if any	
第十二共同発明者の署名	日付	Twelfth inventor's signature	Date
第十三共同発明者 (いる場合)		Full name of thirteenth joint inventor, if any	
第十三共同発明者の署名	日付	Thirteenth inventor's signature	Date
第十四共同発明者 (いる場合)		Full name of fourteenth joint inventor, if any	
第十四共同発明者の署名	日付	Fourteenth inventor's signature	Date
第十五共同発明者 (いる場合)		Full name of fifteenth joint inventor, if any	
第十五共同発明者の署名	日付	Fifteenth inventor's signature	Date
第十六共同発明者 (いる場合)		Full name of sixteenth joint inventor, if any	
第十六共同発明者の署名	日付	Sixteenth inventor's signature	Date
第十七共同発明者 (いる場合)		Full name of seventeenth joint inventor, if any	
第十七共同発明者の署名	日付	Seventeenth inventor's signature	Date
第十八共同発明者 (いる場合)		Full name of eighteenth joint inventor, if any	
第十八共同発明者の署名	日付	Eighteenth inventor's signature	Date