503419093 07/31/2015

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| ANANT CHIMMALGI | 04/29/2015 |
| RAHUL YADAV | 04/27/2015 |
| ANATOLY SHCHEMELININ | 05/05/2015 |
| ILYA BEZEL | 04/25/2015 |
| MATTHEW DERSTINE | 04/27/2015 |

RECEIVING PARTY DATA

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| City: | MILPITAS |
| State/Country: | CALIFORNIA |
| Postal Code: | 95035 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14667235 |

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| NAME OF SUBMITTER: | MATTHEW A. POULSEN |
| SIGNATURE: | /matthew a poulsen/ |
| DATE SIGNED: | 07/31/2015 |
| | |

Total Attachments: 7

PATENT REEL: 036232 FRAME: 0660

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PATENT REEL: 036232 FRAME: 0661 Please return signed/Recorded to:

CUSTOMER No. 78238
Sean Patrick Suiter
SUITER • SWANTZ PC LLO
14301 FNB Parkway, Suite 220
Omaha, NE 68154-5299

ASSIGNMENT OF U.S. PATENT APPLICATION (sole or joint inventor(s))

WHEREAS, the undersigned, to wit:

- 1. Anant Chimmalgi
- 2. Rahul Yaday
- 3. Anatoly Shchemelinin
- 4. Ilya Bezel
- 5. Matthew Derstine

| (hereinafter | -collectively ASSIGNOR), have -made application for United States Letters Patent |
|--------------|--|
| (3) | which was executed and is being filed herewith in the United States Patent and |
| | Trademark Office, titled HIGH POWER BROADBAND LIGHT SOURCE |
| (b) | which was filed on and titled |
| (c) <u>X</u> | which was filed on March 24, 2015 and known as Application. No. 14/667,235, |
| | titled HIGH POWER BROADBAND LIGHT SOURCE |

AND WHEREAS, KLA-Tencor Corporation (hereinafter ASSIGNEE), organized and existing under the laws of Delaware, and having its principal place of business at One Technology Drive, Milpitas, CA 95035, is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives its entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as ASSIGNOR's interest is concerned, to the said ASSIGNEE of ASSIGNOR's entire right, title and interest.

ASSIGNOR also hereby sells and assigns to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed

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in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

ASSIGNOR further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR hereby further agrees to communicate with said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

ASSIGNOR hereby grant(s) the firm of SUITER • SWANTZ PC LLO or its agents the power to insert on this assignment any further identification, including but not limited to application number(s) and filing dates, which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

| | REOF, we have hereunto signed our names of | on the | day and | year | set |
|--|--|--|---------|------|-----|
| forth below. | | | | | |
| A Linush First Inventor's Signature | 04/29/2015 DATE | | | | |
| Anant Chimmalgi | | | | | |
| Inventor's Printed Name | | | | | |
| Inventor Address: | GOOS EL MONTE AG. | | | | |
| | | CHEMPASSAGISMA | | | |
| Witness Signature: | | | | | |
| Witness Printed Name: | | | | | |
| Witness Address: | | ina nangu uma at ma a Mangu uma dangu mas | | | |
| | | | | | |

| IN WITNESS WHER | EOF, we have l | hereunto signed | our names o | n the day | and yea | r set |
|---------------------------|--|--|---|---|---------|-------|
| forth below. | | | | | | |
| Fahul | | 04/27/2 | 015 | | | |
| Second Inventor's Signatu | re D | DATE | | | | |
| Rahul Yadav | manapananananananananananananananananana | | | | | |
| Inventor's Printed Name | | | | | | |
| | | | | | | |
| Inventor Address: | | | | | | |
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| Witness Signature: | MANAGEMENTAL STATES AND | | | ******** | | |
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| Witness Address: | | | negaminani panten manipun pipipini minyapatin mininja man majajepajen mpen | | | |

| IN WITNESS WHI forth below. | REOF, we have hereunto signed our names on the day and year set |
|--|---|
| Third Inventor's Signatu | |
| <u>Anatoly Shchemelin</u> Inventor's Printed Name | |
| Inventor Address: | |
| Witness Signature: | |
| Witness Printed Name: Witness Address; | |

set

| IN WITNESS WHER | REOF, we have hereunto signed our names on the day and year $4/257/15$ |
|---|--|
| Fourth Inventor's Signatu | |
| liya Bezel | |
| Inventor's Printed Name | |
| Inventor Address: | 500 W. Middlefield Rd. #143 Mountait Vied CA 94043 |
| | MOUNTER GOVERNMENT TO THE TOTAL OF THE TOTAL |
| Witness Signature: | |
| Witness Printed Name: Witness Address: | |
| | |

| IN WITNESS WHE | REOF, we have hereunto signed our names on the day and year set |
|--|---|
| <u>Mant Que</u> Fifth Inventor's Signature | PATÉ DATÉ |
| <u>Matthew Derstine</u> Inventor's Printed Name | |
| Inventor Address: | 24465 Long G. A. L. A. L. |
| Witness Signature: | |
| Witness Printed Name: Witness Address: | |

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