PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3737548

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| SANEYUKI GOYA | 02/08/2016 |
| MASATO KINOUCHI | 02/08/2016 |
| ATSUSHI TAKITA | 02/08/2016 |
| MINORU DANNO | 02/08/2016 |
| TOSHIYA WATANABE | 02/08/2016 |
| TAKASHI ISHIDE | 02/08/2016 |

RECEIVING PARTY DATA

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| City: | TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 108-8215 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 14911663 | |

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| ATTORNEY DOCKET NUMBER: | 2611-0455PUS1 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | CHRISTOPHER SMITH |
| SIGNATURE: | /Christopher Smith/ |
| DATE SIGNED: | 02/12/2016 |

Total Attachments: 3

PATENT REEL: 037726 FRAME: 0195

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PATENT REEL: 037726 FRAME: 0196

Attorney Docket No.: 2611-0455PUS1

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))

| 16-5, Konan 2-chome, Minato-ku, Tok | | |
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| marati | yo 100 0210 00pen | |
| (hereinafter, "ASSIGNEE"), the receipt of which is he ASSIGNEE the entire and exclusive right, title and inte (Title of Invention) | | K hereby sells, assigns and transfers to |
| LASER PROCESSING METON | D AND LASER PROCESSING | : APPARATUS |
| relating to International Patent Application PCT/JP20 executed on even date herewith or, if not so executed, t | $\frac{0.15/052072}{0.05}$ and/or for which application for I | etters Patent of the United States wa |
| (a) executed on February 8, 2016 | ; (Insert date of execution of applicat | ion, if not concurrent) |
| (b) filed on February 11, 2016 Serial No. 14 / 911, 663 | Assignee's attorney is hereby au data, when known. | thorized to insert in (b) the specified |
| and to said application and all Letters Patent(s) of the L substitute, reissue or reexamination application based th including any extensions thereof (collectively, hereinaf The ASSIGNOR agree(s), when requested by said A which the ASSIGNEE may deem necessary, desirable o including in the preparation and prosecution of said app reexamination, or public use proceeding, and in any life acts to include but not be limited to executing all paper | ereon, for the full term or terms for which the sates, "said application(s) and Letters Patent(s)"), as SIGNEE and without charge to but at the experience expedient, for securing, maintaining and enfor dication(s) and the issuance of said Letters Paten attorn or other lessal proceeding which may arise | id Letters Patent(s) may be granted and ense of said ASSIGNEE, to do all acts toing protection for said invention, nt(s), in any interference, reissue, or be declared in relation to same, such |
| sworn testimony, and obtaining and producing evidence IN WITNESS WHEREOF, the undersigned inventor | 2. | os, sakung ali righttui osths, providing |
| 1) <u>Janeyukî Scoya</u> (Signature) | Saneyuki GOYA | Feb. 08, 2016 |
| (Signature) | (Type Name) | (Date) |
| 2 Masato Kinouchi | Masato KINOUCHI | Feb. 08, 2016 |
| (Signature) | (Type Name) | (Date) |
| 3) Asnehi Takita | Atsushi TAKITA | Feb. 08, 2016 |
| (Signature) | (Type Name) | (Date) |
|) | Minoru DANNO | |
| (Signature) | (Type Name) | (Date) |
| Joshiza Waterste | Toshiya WATANABE | Feb. 08, 2016 |
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| 5) | Takashi ISHIDE | |
| (Signature) | (Type Name) | (Date) |

PATENT REEL: 037726 FRAME: 0197

Attorney Docket No.: 2611-0455PUS1

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| MITSUBISHI HEAVY INDUSTRIES | - | |
|---|--|---|
| 16-5, Konan 2-chome, Minato-ku, To | kyo 108-8215 Japan | 990A-303-002-0C-30C-10C-10C-1C-3A0Q |
| (hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and it (Title of Invention) | | OR hereby sells, essigns and transfers |
| LASER PROCESSING ME | THOD AND LASER PROCES | SSING APPARATUS |
| relating to International Patent Application <u>PCT/JP</u> executed on even date herewith or, if not so executed | 2015/052072 and/or for which application for l, was: | r Letters Patent of the United States wa |
| (a) executed on | (Insert data of execution of applic | ration, if not concurrent) |
| (b) filed on; | | authorized to insert in (b) the specified |
| substitute, reissue or reexamination application based including any extensions thereof (collectively, herein The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirably including in the preparation and prosecution of said a reexamination, or public use proceeding, and in any litacts to include but not be limited to executing all paps sworn testimony, and obtaining and producing evider IN WITNESS WHEREOF, the undersigned invention | after, "said application(s) and Letters Parent(s)" (ASSIGNEE and without charge to but at the exector expedient, for securing, maintaining and enphication(s) and the issuance of said Letters Patigation or other legal proceeding which may arises, including separate assignments and doctaration. |). (pense of said ASSIGNEE, to do all act torcing protection for said invention, tent(s), in any interference, reissue, se or be declared in relation to same, suc ions, taking all rightful oaths, providing |
| 1) | Saneyuki GOYA | |
| (Signature) | (Type Name) | (Date) |
| 2 | Masato KINOUCHI | |
| (Signature) | (Type Name) | (Date) |
| | Atsushi TAKITA | |
| (Signature) | (Type Nams) | (Date) |
| n Minney Dame | Minoru DANNO | Feb. 08, 2016 |
| (Signature) | (T)pe Name) | (Date) |
| (5) | Toshiya WATANABE | |
| (Signature) | (Typa Name) | (Date) |
| 3) | Takashi ISHIDE | |
| (Signature) | (Type Name) | (Date) |

PATENT REEL: 037726 FRAME: 0198

Attorney Docket No.: 2611-0455PUS1

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)) MITSUBISHI HEAVY INDUSTRIES, LTD. 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby tells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention) LASER PROCESSING METHOD AND LASER PROCESSING APPARATUS relating to International Patent Application PCT/IP2015/052072 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 Assignee's attorney is hereby authorized to insert in (b) the specified data, when latown. and to said application and all Latters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexemination 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 ASSKINEE 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 swom testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/hep/their signature(s). Saneyuki GOYA (Signature) (Type Name) (Date) Masato KINOUCHI (Signature) (Type Name) (Date) Atsushi TAKITA (Type Name) (Date) Minoru DANNO (Signoture) (Type Name) (Date) Toshiya WATANABE (Signature) (Type Name) (Date) Takashi ISHIDE 08, 2016

(Type Name)

PATENT REEL: 037726 FRAME: 0199

(Date)

RECORDED: 02/12/2016