# PATENT ASSIGNMENT COVER SHEET

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

#### **CONVEYING PARTY DATA**

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|------------------|----------------|
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| TAKAHIRO YAMADA  | 06/10/2014     |
| HAIK CHOSROWJAN  | 06/10/2014     |
| HIROAKI FURUSE   | 06/10/2014     |
| MASAYUKI FUJITA  | 06/10/2014     |
| YASUKAZU IZAWA   | 06/10/2014     |
| JUNJI KAWANAKA   | 06/10/2014     |
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## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14368559 |

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**PATENT** 

502866557 REEL: 033175 FRAME: 0115

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| NAME OF SUBMITTER: JANAE JOHNSON |  |
| SIGNATURE:                       | /Janae Johnson/  |
| DATE SIGNED:                     | 06/25/2014   |
|                                  | This document serves as an Oath/Declaration (37 CFR 1.63). |

**Total Attachments: 2** 

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> PATENT REEL: 033175 FRAME: 0116

| COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION   |   |  |
|---|---|--|
| Title of<br>Invention   | MULTI-BEAM COMBINING APPARATUS  |  |
|   | DECLARATION   |  |
| As a below nat  | med inventor, I hereby declare that:  |  |
| This declaration is directed to:  | The attached application, or  |  |
|   | Winted States application or PCT international application number PCT/JP2013/050837 filed on January 17, 2013   |  |
| The above-ide   | ntified application was made or authorized to be made by me.  |  |
| I believe that I  | am the original inventor or an original joint inventor of a claimed invention in the application.   |  |
|   | wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 risonment of not more than five (5) years, or both. |  |
| Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in |   |  |
| § 1.56."  | ASSIGNMENT  |  |
| In consideration assign to  | on of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and  |  |
| (1)MITSUBISHI HEAVY INDUSTRIES, LTD. (2)Institute for Laser Technology (3)OSAKA UNIVERSITY (Name of Assignee)   |   |  |
| of (1)16-5, Konan 2-chome, Minato-ku, Tokyo 1088215 Japan (2)1-8-4, Utsubo-honmachi, Nishi-ku, Osaka-shi, Osaka 5500004 Japan (3)1-1, Yamadaoka, Suita-shi, Osaka 5650871 Japan (Address of Assignee)   |   |  |
| (hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC 100, for any invention set forth in the above-identified application.   |   |  |
| I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.  |   |  |
| I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.                                     |   |  |

PATENT REEL: 033175 FRAME: 0117

| I agree 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.   |                    |  |  |  |
|---|--------------------|--|--|--|
| I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.   |                    |  |  |  |
| I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.  |                    |  |  |  |
|   |                    |  |  |  |
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|   |                    |  |  |  |
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| Signature: Jakahiro Yamada  | Date: 10 JUN 2014  |  |  |  |
| Third Instruction (Least News), 11-21-0010CDOWNAY   |                    |  |  |  |
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| Signature: Mark Char  | Date:              |  |  |  |
| Early Investor (I and I |                    |  |  |  |
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PATENT REEL: 033175 FRAME: 0118

RECORDED: 06/25/2014