

PATENT ASSIGNMENT COVER SHEET

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HIROSHI OHNO | 01/15/2015 |
| TAKASHI USUI | 01/16/2015 |
| MITSUAKI KATO | 01/19/2015 |
| JUNYA TANAKA | 01/16/2015 |
| YOSHINORI MORI | 01/16/2015 |
| KAZUYO NARITA | 01/16/2015 |
| RECEIVING PARTY DATA | |
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| State/Country: | JAPAN |
| Postal Code: | 105-8001 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14535440 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
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| ATTORNEY DOCKET NUMBER: | 08411.0380 |
| NAME OF SUBMITTER: | KIMBERLY BAILEY |
| SIGNATURE: | /KIMBERLY BAILEY/ |
| DATE SIGNED: | 01/28/2015 |
| Total Attachments: 3 | |
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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))

Kabushiki Kaisha Toshiba

1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

THREE-DIMENSIONAL MODELING HEAD AND THREE-DIMENSIONAL MODELING DEVICE

relating to International Patent Application PCT/IP___ 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 November 7, 2014;

Serial No. 14/535,440;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination 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 ASSIGNEE 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 sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

| | | | |
|----|-------------------------------------------|--------------------------------------|------------------------------------------|
| 1) | <u>Hiroshi Ohno</u> <i>(Signature)</i> | Hiroshi OHNO <i>(Type Name)</i> | <u>January 15, 2015</u> <i>(Date)</i> |
| 2) | _____ <i>(Signature)</i> | Takashi USUI <i>(Type Name)</i> | _____ <i>(Date)</i> |
| 3) | _____ <i>(Signature)</i> | Mitsuaki KATO <i>(Type Name)</i> | _____ <i>(Date)</i> |
| 4) | _____ <i>(Signature)</i> | Junya TANAKA <i>(Type Name)</i> | _____ <i>(Date)</i> |
| 5) | _____ <i>(Signature)</i> | Yoshinori MORI <i>(Type Name)</i> | _____ <i>(Date)</i> |
| 6) | _____ <i>(Signature)</i> | Kazuyo NARITA <i>(Type Name)</i> | _____ <i>(Date)</i> |

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|-----------------------------------------|-------------------------------|-----------------------------------|
| 1) _____ (Signature) | Hiroshi OHNO (Type Name) | _____ (Date) |
| 2) <u>Takashi Usui</u> (Signature) | Takashi USUI (Type Name) | <u>January 16, 2015</u> (Date) |
| 3) <u>Mitsuaki Kato</u> (Signature) | Mitsuaki KATO (Type Name) | <u>January 19, 2015</u> (Date) |
| 4) <u>Junya Tanaka</u> (Signature) | Junya TANAKA (Type Name) | <u>January 16, 2015</u> (Date) |
| 5) <u>Yoshinori Mori</u> (Signature) | Yoshinori MORI (Type Name) | <u>January 16, 2015</u> (Date) |
| 6) _____ (Signature) | Kazuyo NARITA (Type Name) | _____ (Date) |

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| 2) _____ (Signature) | Takashi USUI _____ (Type Name) | _____ (Date) |
| 3) _____ (Signature) | Mitsuaki KATO _____ (Type Name) | _____ (Date) |
| 4) _____ (Signature) | Junya TANAKA _____ (Type Name) | _____ (Date) |
| 5) _____ (Signature) | Yoshinori MORI _____ (Type Name) | _____ (Date) |
| 6) <u>Kazuyo Narita</u> (Signature) | Kazuyo NARITA _____ (Type Name) | <u>January 16, 2015</u> (Date) |