

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4123793

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| MICHAEL D. MCGRATH | 10/13/2016 |
| TOMMASO CHECCHI | 10/21/2016 |
| SOREN HANNIBAL NIELSEN | 11/01/2016 |
| ROBERT POERSCHKE | 10/20/2016 |
| RECEIVING PARTY DATA | |
| Name: | MICROSOFT TECHNOLOGY LICENSING, LLC |
| Street Address: | ONE MICROSOFT WAY |
| City: | REDMOND |
| State/Country: | WASHINGTON |
| Postal Code: | 98052 |
| PROPERTY NUMBERS Total: 1 | |
| | |
| Property Type | Number |
| Application Number: | 15335295 |
| CORRESPONDENCE DATA | |
| Fax Number: | (503)595-5301 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 503-595-5300 |
| Email: | kelly.mccarthy@klarquist.com |
| Correspondent Name: | CORY A. JONES, KLARQUIST SPARKMAN, LLP |
| Address Line 1: | 121 SW SALMON STREET, SUITE 1600 |
| Address Line 2: | ONE WORLD TRADE CENTER |
| Address Line 4: | PORTLAND, OREGON 97204 |
| ATTORNEY DOCKET NUMBER: | 3382-97262-02 |
| NAME OF SUBMITTER: | CORY A. JONES |
| SIGNATURE: | /Cory A. Jones/ |
| DATE SIGNED: | 11/01/2016 |
| Total Attachments: 8 | |
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PATENT ASSIGNMENT

I, Michael D. McGrath ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ROLL TURNING AND TAP TURNING FOR VIRTUAL REALITY ENVIRONMENTS" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Microsoft Technology Licensing, LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on October 26, 2016, and given Application No. 15/335,295 by the following Office: United States Patent and Trademark Office) this APPLICATION's Application No. filing date, and Office, when known;

was filed on _____ and was given Application No. _____ by the following Office "United States Patent and Trademark Office";

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to

the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (APPLICATION DERIVATIVES));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

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|---------------------------|---|
| <u>Michael D. McGrath</u> | <u>October 13, 2016</u> |
| Inventor's Signature | Date |
| <u>Michael D. McGrath</u> | <u></u> |
| Printed Name in English | Printed Name in Native Language (if other than English) |

PATENT ASSIGNMENT

I, Tommaso Checchi ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ROLL TURNING AND TAP TURNING FOR VIRTUAL REALITY ENVIRONMENTS" ("APPLICATION"), which:

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|  | 10-27-2016 |
| Inventor's Signature | Date |
| Tommaso Checchi | Printed Name in Native Language (if other than English) |
| Printed Name in English | |

PATENT ASSIGNMENT

I, Soren Hannibal Nielsen ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ROLL TURNING AND TAP TURNING FOR VIRTUAL REALITY ENVIRONMENTS" ("APPLICATION"), which:

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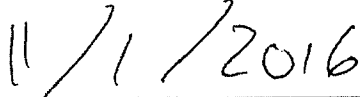
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| _____ Inventor's Signature | _____ Date |
| <u>Soren Hannibal Nielsen</u> Printed Name in English | _____ Printed Name in Native Language (if other than English) |

PATENT ASSIGNMENT

I, Robert Poerschke ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ROLL TURNING AND TAP TURNING FOR VIRTUAL REALITY ENVIRONMENTS" ("APPLICATION"), which:

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|  | 10-20-16 |
| _____ Inventor's Signature | _____ Date |
| Robert Poerschke | |
| _____ Printed Name in English | _____ Printed Name in Native Language (if other than English) |