### 503986907 08/31/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4033564

| SUBMISSION TYPE:  |   | NEW ASSIGNMENT  |                |
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|   |   | Name  | Execution Date |
| SHAHIL SONI   |   |   | 10/29/2015     |
| NIKO EIDEN  |   |   | 10/29/2015     |
| ROOPE RAINISTO  |   |   | 10/29/2015     |
| RECEIVING PARTY DAT   | ۲ <b>A</b>  |   |                |
| Name:   | MICROS  | OFT TECHNOLOGY LICENSING, LLC   |                |
| Street Address:   | ONE MIC   | ROSOFT WAY  |                |
| City:   | REDMON  | ID  |                |
|   | WASHINGTON  |   |                |
| State/Country:  | WASHING   | GTON  |                |
| Postal Code:  | 98052   | GTON  |                |
| -   | 98052   | GTON<br>Number  |                |
| Postal Code:<br>PROPERTY NUMBERS<br>Property Type   | 98052<br>Total: 1   |   |                |
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| Postal Code:<br>PROPERTY NUMBERS<br>Property Type<br>Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br><i>Correspondence will be</i><br><i>using a fax number, if p</i><br>Phone:<br>Email:  | 98052<br>Total: 1<br>14<br>ATA<br>Sent to the<br>rovided; i<br>31<br>do                         | Number<br>926854<br>he e-mail address first; if that is unsu<br>if that is unsuccessful, it will be sent<br>4-302-1451<br>scket@bjfip.com   |                |
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| Postal Code:<br>PROPERTY NUMBERS<br>Property Type<br>Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br><i>Correspondence will be</i><br><i>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:                                       | 98052<br>Total: 1<br>14<br>ATA<br>Sent to tl<br>rovided; i<br>31<br>do<br>BA<br>28<br>SL        | Number<br>926854<br>be e-mail address first; if that is unsu<br>if that is unsuccessful, it will be sent<br>4-302-1451<br>cket@bjfip.com<br>ARTA, JONES & FOLEY, P.C.   |                |
| Postal Code:<br>PROPERTY NUMBERS<br>Property Type<br>Application Number:<br>CORRESPONDENCE DA<br>Fax Number:<br><i>Correspondence will be</i><br><i>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2: | 98052<br>Total: 1<br>14<br>ATA<br>Sent to the<br>rovided; i<br>31<br>do<br>BA<br>28<br>SL<br>PL | Number<br>926854<br>926854<br><i>he e-mail address first; if that is unsu</i><br><i>if that is unsuccessful, it will be sent</i><br>4-302-1451<br>cket@bjfip.com<br>ARTA, JONES & FOLEY, P.C.<br>05 N. DALLAS PARKWAY<br>JITE 222 |                |

| NAME OF SUBMITTER: HOLLI L. TEMPLETON |                      |
|---------------------------------------|----------------------|
| SIGNATURE:                            | /Holli L. Templeton/ |
| DATE SIGNED:                          | 08/31/2016           |
| Total Attachments: 6                  |                      |

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# PATENT ASSIGNMENT

I <u>Shahil Soni</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TRACKING OBJECT OF INTEREST IN AN OMNIDIRECTIONAL VIDEO" ("APPLICATION"), which:

 will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on \_\_\_\_\_\_\_ and given Application No. \_\_\_\_\_\_\_ by the following Office \_\_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_\_ and was given Application No \_\_\_\_\_\_ by the following 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"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

| Application No. | Filing Date | Office |  |
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| PATENTASSIGNMENT | MS Docket No.: <u>358016.01</u> |
|------------------|---------------------------------|
|                  |                                 |
|                  |                                 |

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).

| Se                      | 10/29/20/5                      |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Shahil Soni             | Shahil Soni                     |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

### PATENT ASSIGNMENT MS Docket No.: 358016.01

I <u>Niko Eiden</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TRACKING OBJECT OF INTEREST IN AN OMNIDIRECTIONAL VIDEO" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on \_\_\_\_\_\_\_ and given Application No. \_\_\_\_\_\_\_ by the following Office \_\_\_\_\_\_) this APPLICATION's Application No., filing date, and Office, when known;

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| Application No. | Filing Date | Of | fice |
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| 10hr                    | 29-0cT-2015                     |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Niko Eiden              | Niko Eiden                      |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

## PATENT ASSIGNMENT

### MS Docket No.: <u>358016.01</u>

I <u>Roope Rainisto</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "TRACKING OBJECT OF INTEREST IN AN OMNIDIRECTIONAL VIDEO" ("APPLICATION"), which:

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was filed on \_\_\_\_\_\_ and was given Application

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Page 1 of 2

PATENT REEL: 039607 FRAME: 0484 PATENT ASSIGNMENT

PATENT REEL: 039607 FRAME: 0485

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"));

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29. 10. 2015 an Inventor's Signature Date **Roope Rainisto** Roope Rainisto **Printed Name in English** Printed Name in Native Language (if other than English)

# Page 2 of 2

**RECORDED: 08/31/2016**