503072672 11/21/2014

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| JOSHUA M. HUDMAN | 11/21/2014 |

RECEIVING PARTY DATA

| Name: | MICROSOFT TECHNOLOGY LICENSING, LLC | |
|-----------------|-------------------------------------|--|
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| City: | REDMOND | |
| State/Country: | WASHINGTON | |
| Postal Code: | 98052 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14550644 |

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | 355796.01 |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | CHRISTINE HARTNESS |
| SIGNATURE: | /Christine Hartness/ |
| DATE SIGNED: | 11/21/2014 |

Total Attachments: 2

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PATENT 503072672 REEL: 034234 FRAME: 0969

PATENT ASSIGNMENT

I <u>Joshua M. Hudman</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>MULTIPLE PATTERN ILLUMINATION OPTICS FOR TIME OF FLIGHT SYSTEM</u>" ("APPLICATION"), which:

| \boxtimes | will | be | filed | l. <i>A</i> | ASSIG | NOR | he | reby | auth | orize | s, and | requ | iest | ts, |
|-------------|------------|-------|--------------|--------------|-------------|-------------|------------|--------|---------------|-------|-----------|---------------|-------------|-----|
| | ASSI | GNE | E'S le | gal r | epres | entat | ive, | Micı | rosoft | Tech | nology | Licer | ısin | ıg, |
| | LLC. | , C |)ne | Micro | osoft | Way | у, | Redr | nond, | Wa | shingto | n 9 | 80! | 52 |
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| | pare | nthe | ses (| filed | on <u>N</u> | <u>ovem</u> | <u>ber</u> | 21, | 2014 | and | given | 4pplic | atio | on |
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| | date | , and | d Offi | ce, wl | hen k | nown | ; | | | | | | | |

| was filed on | and was given Application |
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| No | by the following Office |
| u | ". |

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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MS Docket No.: 355796.01

| PATENT A | ASSIGNMENT | MS Docket No.: | 355796.01 |
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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).

| Josh Hate | 11/21/2014 | | |
|---|---|--|--|
| Inventor's Signature | Date | | |
| Joshua M. Hudman Printed Name in English | Printed Name in Native Language (if other than English) | | |

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RECORDED: 11/21/2014