505178058 11/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5224826

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| BO DAN | 11/02/2018 |
| ROBERT ULLMAN MYERS | 11/02/2018 |
| AARON RAY PAFF | 11/02/2018 |
| RAGHAVENDRA S KANIVIHALLI | 11/02/2018 |
| EUGENE LEE | 11/02/2018 |

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: | 16179654 |

CORRESPONDENCE DATA

Fax Number: (801)532-7543

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.

Phone: 8015321500

Email: mspatent@rgn.com, usdocket@microsoft.com **Correspondent Name:** RAY QUINNEY & NEBEKER-MICROSOFT

Address Line 1: 36 SOUTH STATE STREET

Address Line 2: **SUITE 1400**

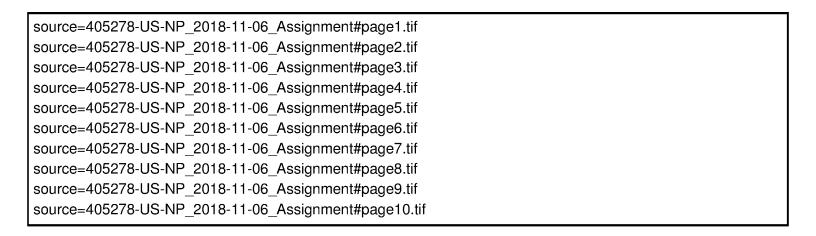
Address Line 4: SALT LAKE CITY, UTAH 84111

| ATTORNEY DOCKET NUMBER: | 405278-US-NP |
|-------------------------|-------------------------------|
| NAME OF SUBMITTER: | PAUL N. TAYLOR |
| SIGNATURE: | /Paul N. Taylor, Reg.# 57271/ |
| DATE SIGNED: | 11/06/2018 |
| | |

Total Attachments: 10

PATENT REEL: 047426 FRAME: 0339

505178058



PATENT REEL: 047426 FRAME: 0340 I <u>Bo DAN</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>RADIO FREQUENCY FILTER FIN PACK DESIGN IN CONSUMER ELECTRONICS</u>" ("APPLICATION"), which:

| \times | 🗵 will be filed. ASSIGNOR hereby | authorizes, and requests, |
|----------|----------------------------------------|------------------------------------|
| | ASSIGNEE'S legal representative, Micro | osoft Technology Licensing, |
| | LLC, One Microsoft Way, Redmond, Was | shington 98052 (ASSIGNEE'S |
| | LEGAL REPRESENTATIVES), to insert | here in parentheses (filed |
| | on <u>November 2, 2018</u> and | given Application |
| | No. <u>16/179,654</u> by the following | Office <u>US - United States</u> |
| | Patent and Trademark Office) this APP | LICATION's Application No., |
| | filing date, and Office, when known; | |
| | | |
| | \square was filed on and was g | iven Application |
| | No by the following (| Office " <u>US – United States</u> |
| | 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"));

| Tollowing table for any far Electron Belavitives are they are known, | | | | |
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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).

| j har | 11-02-2018 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| | |
| Bo DAN | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

I <u>Robert Uliman MYERS</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>RADIO FREQUENCY FILTER FIN PACK DESIGN IN CONSUMER ELECTRONICS</u>" ("APPLICATION"), which:

MS Docket No.:

405278-US-NP

| Ø | will be filed. | ASSIGNOR hereby authorizes, and requests, |
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| | ASSIGNEE'S legal | representative, Microsoft Technology Licensing, |
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| | | by the following Office <u>US - United States</u> |
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| 3 | was filed on | and was given Application |
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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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| PATENT ASSIGNMENT | MS Docket No.: | 405278-US-NP |
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| Blue Man Noza | 11/2/2018 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date / |
| Robert Uliman MYERS | |
| Printed Name in English | Printed Name in Native Language |
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I <u>Aaron Ray PAFF</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>RADIO FREQUENCY FILTER FIN PACK DESIGN IN CONSUMER ELECTRONICS</u>" ("APPLICATION"), which:

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| | ASSIGN | IEE'S legal | representat | ive, Micr | osoft Tec | hnology | Licensing, | |
| | LLC, O | ne Microso | ft Way, Redr | nond, Wa | shington | 98052 (4 | ASSIGNEE'S | |
| | LEGAL | REPRESEN | TATIVES), t | o insert | here in | parenthe | eses (filed | |
| | on | <u>Novemb</u> | er 2, 2018 | and | give | en <i>A</i> | Application | |
| | No. <u>16</u> | <u>6/179,654</u> | by the | following | g Office <u>l</u> | JS – Uni | ted States | |
| | <u>Patent</u> | and Trade | mark Office | this API | PLICATION | l's Applio | cation No., | |
| | filing d | late, and O | ffice, when l | known; | | | | |
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| | was file | ed on | | and was g | given App | lication | | |
| | No | | by the f | ollowing | Office "US | – United | l States | |
| | Patent | and Trade | mark Office" | | | | | |

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| A-QY | 11-02-2018 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Aaron Ray PAFF | Type text here |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

I <u>Raghavendra S KANIVIHALLI</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>RADIO FREQUENCY FILTER FIN PACK DESIGN IN CONSUMER ELECTRONICS</u>" ("APPLICATION"), which:

| ∇ | will be filed ACCIONOD beyone authorized and requests |
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| | LLC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S |
| | LEGAL REPRESENTATIVES), to insert here in parentheses (filed |
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| Alloghandra | 11-02-2018 |
|---------------------------|---------------------------------|
| Inventor's Signature | Date |
| Raghavendra S KANIVIHALLI | |
| Printed Name in English | Printed Name in Native Language |
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I <u>Eugene LEE</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>RADIO FREQUENCY FILTER FIN PACK DESIGN IN CONSUMER ELECTRONICS</u>" ("APPLICATION"), which:

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|----------|---------------|------------------|---------------|-----------|--------------------|----------|---------|---------------|
| | ASSIGN | EE'S legal | representat | ive, Micr | osoft Tech | inology | Licer | ısing, |
| | LLC, Or | ne Microso | ft Way, Redr | nond, Wa | ishington 9 | 98052 (A | 4SSIG | NEE'S |
| | LEGAL | REPRESEN | TATIVES), t | o insert | here in p | oarenth | eses | (filed |
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| | <u>Patent</u> | <u>and Trade</u> | mark Office) | this API | PLICATION' | s Applio | cation | ı No., |
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| | | | | | | | | |
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| | No | | by the f | ollowing | Office " <u>US</u> | – United | l State | <u>es</u> |
| | Patent a | and Trader | mark Office" | - | | | | |

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RECORDED: 11/06/2018

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| my | 11/02/18 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| | |
| _Eugene LEE | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |