504416441 06/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4463141

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| MADANLAL S. MUSUVATHI | 06/09/2017 |
| TODD D. MYTKOWICZ | 06/08/2017 |
| SAEED MALEKI | 06/09/2017 |
| YUFEI DING | 06/09/2017 |

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: | 15624660 |

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: NEWPORT IP, LLC

Address Line 1: 1400 112TH AVE SE, SUITE 100
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ATTORNEY DOCKET NUMBER: MS1-9023US

NAME OF SUBMITTER: PAOLA SEVERICH

SIGNATURE: /Paola Severich/

DATE SIGNED: 06/15/2017

Total Attachments: 8

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PATENT 504416441 REEL: 042728 FRAME: 0455



PATENT REEL: 042728 FRAME: 0456

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

I <u>Madanial S. MUSUVATHI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINING A LIKELIHOOD OF A RESOURCE EXPERIENCING A PROBLEM BASED ON TELEMETRY DATA" ("APPLICATION"), which:

| oximes 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 <u>US - United States</u> |
| 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 "US - 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")):

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. | • | Office |
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Page 1 of 2

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

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).

| | Jun 9, 2017 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Madanial S. MUSUVATHI | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

I <u>Todd D. MYTKOWICZ</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINING A LIKELIHOOD OF A RESOURCE EXPERIENCING A PROBLEM BASED ON TELEMETRY DATA" ("APPLICATION"), which:

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|----------------------|--|----------------|
| LLC., One Micro | osoft Way, Redmond, Washi | ngton 98052 |
| parentheses (filed | AL REPRESENTATIVES), to ins | en Application |
| | by the following Office <u>US -</u> <u>nark Office</u>) this APPLICATION's A | |
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| filing date, and Off | nce, when known; and was given Application No_t | |

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Page 1 of 2

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| Tall rue | 6-8-17 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Todd D. MYTKOWICZ | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

I <u>Saeed MALEKI</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINING A LIKELIHOOD OF A RESOURCE EXPERIENCING A PROBLEM BASED ON TELEMETRY DATA" ("APPLICATION"), which:

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Page 1 of 2

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

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Inventor's Signature Date

Saeed MALEKI
Printed Name in English Printed Name in Native Language
(if other than English)

Client Docket No.: 400535-US-NP Attorney Docket No.: MS1-9023US

I <u>Yufei DING</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DETERMINING A LIKELIHOOD OF A RESOURCE EXPERIENCING A PROBLEM BASED ON TELEMETRY DATA" ("APPLICATION"), which:

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| Gufsi Ding | 06/09/2017 | |
|-------------------------|---------------------------------|--|
| Inventor's Signature | Date | |
| Yufei DING | 丁雨霏 | |
| Printed Name in English | Printed Name in Native Language | |
| | (if other than English) | |

RECORDED: 06/15/2017