# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2886948

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

### **CONVEYING PARTY DATA**

| Name                 | Execution Date |
|----------------------|----------------|
| BRANNON JAMES ZAHAND | 06/04/2014     |
| DANIEL JOHN WALLACE  | 06/04/2014     |

### **RECEIVING PARTY DATA**

| Name:           | MICROSOFT CORPORATION |  |
|-----------------|-----------------------|--|
| Street Address: | ONE MICROSOFT WAY     |  |
| City:           | REDMOND               |  |
| State/Country:  | WASHINGTON            |  |
| Postal Code:    | 98052                 |  |

## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14297594 |

## **CORRESPONDENCE DATA**

**Fax Number:** (425)708-5046

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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Address Line 4: REDMOND, WASHINGTON 98052

| ATTORNEY DOCKET NUMBER: MS# 341324.01                      |            |
|--|------------|
| NAME OF SUBMITTER:   | TUAN NGO   |
| SIGNATURE:   | /Tuan Ngo/ |
| <b>DATE SIGNED:</b> 06/05/2014                             |            |
| This document serves as an Oath/Declaration (37 CFR 1.63). |            |

## **Total Attachments: 4**

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REEL: 033043 FRAME: 0538

PATENT

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PATENT ASSIGNMENT MS Docket No.: MS# 341324.01

| i, <u>Bra</u> i           | <u>nnon James Zahan</u>   | $oldsymbol{	ilde{g}}$ ("ASSIGNOR"), am the o | riginal inventor or an origina  |
|---------------------------|---------------------------|--|---------------------------------|
| joint invento             | or of subject matte       | er ("INVENTION") disclose                    | d and/or claimed in a paten     |
| application e             | ntitled " <u>HUB-TO-H</u> | <u>IUB PERIPHERAL DISCOVER</u>               | Y" ("APPLICATION"), which:      |
|                           |                           |  |                                 |
| $\boxtimes$               | will be filed. ASSIC      | NOR hereby authorizes, a                     | nd requests, ASSIGNEE'S         |
|                           | legal representativ       | es, of the Law and Corpor                    | ate Affairs Department,         |
|                           | Microsoft Corpora         | ition, One Microsoft Way,                    | Redmond, Washington             |
|                           | 98052 (ASSIGNEE           | 'S LEGAL REPRESENTATIN                       | /ES), to insert here in         |
|                           | parentheses (filed        | on June 5, 2014                              | and given Application           |
|                           | No. <u>14/297,594</u> b   | y the following Office <u>US P</u>           | atent and Trademark Office)     |
|                           | this APPLICATION          | 's Application No., filing                   | date, and Office, when          |
|                           | known;                    |  |                                 |
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|                           |                           | and was given                                |                                 |
|                           |                           | by the following Office                      | <b>)</b>                        |
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| 0.01                      |                           |  |                                 |
|                           | •                         |  | n, on behalf of itself and its  |
|                           | •                         |  | is desirous of acquiring, the   |
|                           | _                         |  | ) the right of priority, in the |
|                           |                           | • •  | ications and patents derived    |
|                           | -                         | • •  | in part, in and for the United  |
| oldies, its lei           | munes, and an ior         | eign countries ("APPLICAT                    | ION DERIVATIVES ));             |
| مرحات                     | NOR harahy suthor         | izac and ranuacte ASSICA                     | NEE'S LEGAL REPRESENTATIVES     |
|                           |                           | •  | to the following table for any  |
|                           |                           | they are known;                              | and tarranting and the mity     |
| Application               |                           | Filing Date                                  | Office                          |
| man An Arraman management |                           |  |                                 |
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Page 1 of 2

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).

| 141911                  | 6/4/14                          |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Brannon James Zahand    |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |

|   | PATENT ASS   | IGNMENT   | MS Docket No   | .: <u>MS# 341324.01</u>   |
|---|--|---|--|---|
| inventor of   | <u>liel John Wallace</u> ("A<br>subject matter ('<br>Intitled " <u>HUB-TO-H</u>  | 'INVENTION") discl  | osed and/or clai   | med in a patent   |
|   | Microsoft Corpora<br>98052 (ASSIGNEE<br>parentheses (filed<br>No. 14/297,594 by  | NOR hereby authories, of the Law and tion, One Microsof S LEGAL REPRESES on June 5, 2014 the following Offic S Application No., | Corporate Affairs (<br>t Way, Redmond,<br>NTATIVES), to ins<br>and given<br>e US Patent and Trad | Department, Washington ert here in Application emark Office)                        |
|   | was filed on   | by the following  |  |   |
| successors a<br>entire and e<br>INVENTION a<br>therefrom, s | oft Corporation, and assigns ("ASSIG<br>xclusive rights, titi<br>and the APPLICATI<br>uch as continuing a<br>ritories, and all for | NEE"), is entitled to<br>le and interest, inc<br>ON (and all other<br>applications, in who                                      | o, and is desirous<br>cluding the right<br>applications and<br>ole or in part, in a              | of acquiring, the<br>of priority, in the<br>I patents derived<br>and for the United |
| to insert the   | NOR hereby authori<br>Application No., f<br>DERIVATIVES after  | iling date, and Off   |  |   |
| Application   |  | Filing Date   | Office   |   |
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| deceree                               |               |                |         |
| decessor                              |               |                |         |
| 3                                     |               |                | <i></i> |

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).

| DLAUL                   | <u> 6/4/2014</u>                |
|-------------------------|---------------------------------|
| Inventor's Signature    | Date                            |
| Daniel John Wallace     |                                 |
| Printed Name in English | Printed Name in Native Language |
|                         | (if other than English)         |