Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Ralf Groene | 09/28/2012 |
| Hua Wang | 10/15/2012 |
| Anthony Reed | 10/15/2012 |
| Katherine Bailey | 10/15/2012 |
| James Alec Ishihara | 09/29/2012 |
| Jan Raken | 10/01/2012 |

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: | 29422117 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 013797.08195 |
|-------------------------|--------------|
| | |

PATENT REEL: 029179 FRAME: 0607

294221

| NAME OF SUBMITTER: | Robert S. Katz |
|--|----------------|
| Total Attachments: 4 source=08195Assignment#page1.tif source=08195Assignment#page2.tif source=08195Assignment#page3.tif source=08195Assignment#page4.tif | |

| | ne, Hua Wang, Anthony Reed, Katherine Bailey, 、 SIGNORS"), have invented subject matter ("INVEI | |
|----------------------------|--|--------------------|
| | patent application entitled "ELECTRONIC TABLI | |
| ("APPLICATION"), which: | | |
| <u></u> | d without this executed PATENT ASSIGNMENT. | ASSIGNORS |
| | thorize and request ASSIGNEE'S legal represent | |
| | LTD., 1100 13th Street NW, Suite 1200, Washing | |
| 4051, who | are associated with customer number 28319, to | insert here in |
| | is (U.S. Serial No, filed | |
| | ΓΙΟΝ's U.S. Serial Number and filing date, when k | |
| 🔀 was filed o | on <u>5/16/2012</u> and was given U.S. Serial No. <u>29/42</u> | <u>.2117</u> ; |
| is filed cor | ncurrently herewith; | |
| | oration, a Washington Corporation, on behalf of it | |
| | SIGNEE"), is entitled to, and is desirous of acquiri | |
| | interest in the INVENTION and the APPLICATION | |
| | ved therefrom, such as continuing applications, in | |
| | and all foreign countries ("APPLICATION DERIVA" | |
| | valuable consideration, the receipt of which is here | |
| | NORS, the ASSIGNORS hereby sell, assign and t | |
| | cclusive rights, title and interest in the INVENTION | and the |
| APPLICATION (and APPLICA | • | , ,, |
| | agree to execute all instruments and documents re | |
| | e APPLICATION (and APPLICATION DERIVATIV | |
| | ed therefrom, and for the purpose of protecting an | a perfecting title |
| to the APPLICATION (and AP | PPLICATION DERIVATIVES). | |
| | , 1 | |
| 9/28/2012 | | |
| DATE | Ralf Groene | |
| DATE | Trail Grooms | |
| | | |
| DATE | Lluo Wong | |
| DATE | Hua Wang | |
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| | | |
| DATE | Anthony Reed | |
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| DATE | Katherine Bailey | |
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| | | |
| DATE | James Alec Ishihara | • |
| - | 2235 / 1.05 / 1.05 / 1.05 | |
| | | |
| DATE | Jan Raken | |
| DAIE | Jali Nakeli | |

| Ishihara and Jan Raken ("ASS disclosed and/or claimed in a ("APPLICATION"), which: will be file hereby au & Witcoff, 4051, who parenthes APPLICATION was filed compared in the parenthes APPLICATION was filed compared in the parenthes and exclusive rights, title and applications and patents derived United States, its territories, and acknowledged by the ASSIGNEE, the entire and exception of the ASSIGNORS and and prosecution of the making and prosecution of the making and prosecution of the control of the parenth of the paren | agree to execute all instruments and documents required for the e APPLICATION (and APPLICATION DERIVATIVES), for litigation ed therefrom, and for the purpose of protecting and perfecting title |
|--|--|
| DATE | Ralf Groene |
| 10/15/2012 | My |
| DATE 10/15/2012 | Anthony Reed |
| 10/15/2010 | 1 |
| 10/15/2012 | Katherine Bailey |
| | A Nationic Bancy |
| DATE | James Alec Ishihara |
| -··· - | |

Jan Raken

DATE

| Ishihara and Jan Raken ("ASS | ne, Hua Wang, Anthony Reed, Katherine Bailey, C SIGNORS"), have invented subject matter ("INVEI | NTION") |
|--|--|--|
| | patent application entitled "ELECTRONIC TABLE | ET" |
| hereby aut & Witcoff, 4051, who parenthesi APPLICAT was filed o | d without this executed PATENT ASSIGNMENT. thorize and request ASSIGNEE'S legal representa LTD., 1100 13th Street NW, Suite 1200, Washing are associated with customer number 28319, to it is (U.S. Serial No, filed TION's U.S. Serial Number and filing date, when keep 5/16/2012 and was given U.S. Serial No. 29/42 | atives, of Banner ton, DC 20005- insert here in _) this nown; |
| | ncurrently herewith; oration, a Washington Corporation, on behalf of its | aalf and ita |
| successors and assigns ("ASS and exclusive rights, title and applications and patents deriv United States, its territories, a For good and vacknowledged by the ASSIGNASSIGNEE, the entire and ex APPLICATION (and APPLICATION) and APPLICATION of the making and prosecution of the | SIGNEE"), is entitled to, and is desirous of acquiri- interest in the INVENTION and the APPLICATION red therefrom, such as continuing applications, in all foreign countries ("APPLICATION DERIVA- raluable consideration, the receipt of which is here NORS, the ASSIGNORS hereby sell, assign and to clusive rights, title and interest in the INVENTION ATION DERIVATIVES); agree to execute all instruments and documents re e APPLICATION (and APPLICATION DERIVATIVE) and therefrom, and for the purpose of protecting and | ng, the entire N (and all other and for the TIVES")); by ransfer to the and the equired for the (ES), for litigation |
| DATE | Ralf Groene | |
| DATE | Hua Wang | |
| DATE | Anthony Reed | |
| DATE | Katherine Bailey | |
| 9/29/12 DATE | James Alec Ishihara | |
| DATE | Jan Raken | |

| WE, Ralf Groe | ene, Hua Wang, Anthony Reed, Katherine Bailey, . | James Alec |
|--|--|---|
| disclosed and/or claimed in a | SIGNORS"), have invented subject matter ("INVEI patent application entitled "ELECTRONIC TABLI | NTION") FT" |
| ("APPLICATION"), which: | parent approached through a parent approached through | |
| will be file hereby au & Witcoff, 4051, who parenthes APPLICA was filed commicrosoft Corpsuccessors and assigns ("AS and exclusive rights, title and applications and patents derivunited States, its territories, a For good and vacknowledged by the ASSIGNASSIGNEE, the entire and example APPLICATION (and APPLICATION (and APPLICATION) | agree to execute all instruments and documents re | atives, of Banner ation, DC 20005-insert here in) this known; 22117; self and its ing, the entire N (and all other and for the TIVES")); eby transfer to the land the equired for the |
| regarding letters patent derive to the APPLICATION (and AF | e APPLICATION (and APPLICATION DERIVATIVed therefrom, and for the purpose of protecting and PPLICATION DERIVATIVES). | 'ES), for litigation d perfecting title |
| *************************************** | | |
| DATE | Ralf Groene | |
| DATE | Hua Wang | |
| DATE | Anthony Reed | |
| DATE | Katherine Bailey | |
| DATE | James Alec Ishihara | |
| 10/1/2012 | W | |
| DATE(/ | Jan Raken | |

PATENT REEL: 029179 FRAME: 0612

RECORDED: 10/24/2012