PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| George Joy | 08/16/2011 |
| Cheuk Wan William Lau | 08/16/2011 |
| Darren Louie | 08/16/2011 |
| Yosef Firstenberg | 08/16/2011 |
| Ravikant Cherukuri | 08/16/2011 |
| Kevin Michael Woley | 08/11/2011 |
| Matthew R. Ayers | 08/10/2011 |
| Gaurav S. Anand | 08/11/2011 |

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: | 13224217 |

CORRESPONDENCE DATA

Fax Number: (425)936-7329

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

425-707-9382 Phone:

Email: vffiling@microsoft.com

Correspondent Name: Assal Meftahi Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept Address Line 4: Redmond, WASHINGTON 98052

REEL: 026848 FRAME: 0166

PATENT

| NAME OF SUBMITTER: | Garyma Saksena |
|---|---|
| Total Attachments: 6 source=333170-01-Executed-Assignment#p source=333170-01-Executed-Assignment#p source=333170-01-Executed-Assignment#p source=333170-01-Executed-Assignment#p source=333170-01-Executed-Assignment#p | page2.tif page3.tif page4.tif page5.tif |

PATENT REEL: 026848 FRAME: 0167

18662462912

| WE George Joy, Cheuk Wan Ravikant Cherikuri, Kevin Michael Woley, It have invented subject matter ("INVENTION" application entitled "Stateless Application I will be filed without this exauthorizes, and requests, and requests, Corporate Affairs Departm Redmond, Washington 980 69316, to insert here in pa filed 09/01/2011) this APPLIC | Notifications" ("APPLICATION"), which: xecuted PATENT ASSIGNMENT. ASSIGNOR hereby ASSIGNEE'S legal representatives, of the Law and nent, Microsoft Corporation, One Microsoft Way, 052, who are associated with customer number arenthesis (Application No. 13/224217 Application No. 2010) CATION'S Application No. and filing date, when |
|---|--|
| ☐ was filed ona | ind was given Application No |
| is filed concurrently herew | |
| | shington Corporation, on behalf of itself and its |
| successors and assigns ("ASSIGNEE"), is en and exclusive rights, title and interest in the applications and patents derived therefrom United States, its territories, and all foreign For good and valuable considerations acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive rights, APPLICATION (and APPLICATION DERIVATION ASSIGNOR agrees to execute making and prosecution of the APPLICATION. | ntitled to, and is desirous of acquiring, the entire the INVENTION and the APPLICATION (and all other m, such as continuing applications, in and for the in countries ("APPLICATION DERIVATIVES")): deration, the receipt of which is hereby GNOR hereby sells, assigns and transfers to the title and interest in the INVENTION and the IVES); all instruments and documents required for the ON (and APPLICATION DERIVATIVES), for litigation in, and for the purpose of protecting and perfecting |
| Inventor's Signature | Date 8 16 2011 |
| Printed Name in English | Printed Name in Native Language (if other than English) |

Page 1 of 3

| 44 | |
|---|--|
| nventor's Syppeture | Date 8/16/2=11 |
| /// // // // // // // // // // // // // | |
| heuk WaryWilliam Lau | Printed Name in Native Language (if |
| rinted Name in English Kenk Lan William Lau | other than English) |
| NEW 15-00- | |
| | |
| | |
| | Date |
| inventor's Signature | Date 8/16/2011 |
| | |
| Harle | |
| Inventor's Signature Carrel Louie Printed Name in English | Printed Name in Native Language (if |
| | |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| Printed Name in English **DA REEN LOUIE** Inventor's Signature** | Printed Name in Native Language (If |
| Printed Name in English DAREN LOUE Inventor's Signature 10555 January | Printed Name in Native Language (If other than English) Date \$1/6/20/1 |
| Printed Name in English DARPEN LOUIE Inventor's Signature YOSS JALAN Yosef Firstenberg | Printed Name in Native Language (if other than English) Date \$1/6 (28// |
| Inventor's Signature Yosef Firstenberg Printed Name in English | Printed Name in Native Language (If other than English) Date \$1/6/20/1 |
| Printed Name in English DARCEN LOWE Inventor's Signature YOSS JALL Yosef Firstenberg | Printed Name in Native Language (if other than English) Date \$1(6/2011 A12)0010 4010 Printed Name in Native Language (if |
| Inventor's Signature Yosef Firstenberg Printed Name in English | Printed Name in Native Language (if other than English) Date \$1(6/2011 A12)0010 4010 Printed Name in Native Language (if |
| Inventor's Signature Yosef Firstenberg Printed Name in English | Printed Name in Native Language (if other than English) Date \$1(6/2011 A12)0010 4010 Printed Name in Native Language (if |
| Inventor's Signature Yosef Firstenberg Printed Name in English | Printed Name in Native Language (if other than English) Date \$1(6/2011 A12)0010 4010 Printed Name in Native Language (if |

PATENT REEL: 026848 FRAME: 0169

| nventor's Signature | Date |
|-------------------------|---|
| Cevin Michael Woley | |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| | |
| nventor's Signature | Date |
| Matthew R. Ayers | |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| | |
| nventor's Signature | Date |
| Gauray S. Anand | |
| Printed Name in English | Printed Name in Native Language (if |

| PATEN | IT ASSIGNMENT | | |
|--|---|--|--|
| I/WE, George Joy, Cheuk Wan William Lau, Darren Louie, Yosef Firstenberg, | | | |
| Ravikant Cherukuri, Kevin Michael Woley, Matthew R. Ayers, Gaurav S. Anand ("ASSIGNOR"), | | | |
| have invented subject matter ("INVENTION") disclosed and/or claimed in a patent | | | |
| application entitled "Stateless Application A | Votifications" ("APPLICATION"), which: | | |
| ② will be filed without this ex | ecuted PATENT ASSIGNMENT. ASSIGNOR hereby | | |
| authorizes, and requests, A | ASSIGNEE'S legal representatives, of the Law and | | |
| | ent, Microsoft Corporation, One Microsoft Way, | | |
| Redmond, Washington 980 | 52, who are associated with customer number | | |
| | renthesis (Application No. 13/224217 | | |
| | CATION's Application No. and filing date, when | | |
| known; | | | |
| was filed on and was given Application No | | | |
| ☐ is filed concurrently herewith; | | | |
| Microsoft Corporation, a Washington Corporation, on behalf of itself and its | | | |
| | titled to, and is desirous of acquiring, the entire | | |
| and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other | | | |
| | s, such as continuing applications, in and for the | | |
| United States, its territories, and all foreign | | | |
| 111 121 | leration, the receipt of which is hereby | | |
| | NOR hereby sells, assigns and transfers to the | | |
| ASSIGNEE, the entire and exclusive rights, I | | | |
| APPLICATION (and APPLICATION DERIVATIV | | | |
| The state of the s | all instruments and documents required for the | | |
| | ON (and APPLICATION DERIVATIVES), for litigation | | |
| | , and for the purpose of protecting and perfecting | | |
| title to the APPLICATION (and APPLICATION | (DERIVATIVES). | | |
| | | | |
| | | | |
| | | | |
| | <u> </u> | | |
| | | | |
| | | | |
| Inventor's Signature | Date | | |
| | | | |
| George Joy | | | |
| Printed Name in English | Printed Name in Native Language (if | | |
| | other than English) | | |
| | | | |
| | | | |

Page 1 of 3

| Inventor's Signature | Date |
|--|---|
| Cheuk Wan William Lau | |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| | |
| Sayrusa Va Cimurahyua | I Carta |
| Inventor's Signature | Date |
| Darren Louie | |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| | |
| inventor's Signature | Date |
| | Date |
| Yosef Firstenberg | Date Printed Name in Native Language (if other than English) |
| Inventor's Signature Yosef Firstenberg Printed Name in English | Printed Name in Native Language (if |
| Yosef Firstenberg | Printed Name in Native Language (if |
| Yosef Firstenberg Printed Name in English | Printed Name in Native Language (if other than English) |

Page 2 of 3

| inventor's Signature Kevin Michael Waley | Date 6/11/2011 |
|---|---|
| Printed Name in Ungligh | Printed Name in Native Language (if other than English) |

| | · |
|--------------------------------------|---|
| Nven or's Signature Matthew R. Ayers | Date |
| Printed Name in English | Printed Name in Native Language (if other than English) |

| Inventor's Signature | Date |
|-------------------------|-------------------------------------|
| Gauray S. Apang | 811 1/2011 |
| Edinted Name on Miglish | Printed Name in Native Language (if |
| CHRUKIN DUNNY | other than English) |