PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3783530

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| ANTOINE EL DAHER | 02/23/2012 |
| DEEPAK VIJAYWARGI | 02/24/2012 |
| YOGESH KANT ROY | 02/24/2012 |

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: | 14954479 |

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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: SHOOK, HARDY & BACON L.L.P.

Address Line 1: 2555 GRAND BLVD

Address Line 2: INTELLECTUAL PROPERTY DEPARTMENT Address Line 4: KANSAS CITY, MISSOURI 64108-2613

| ATTORNEY DOCKET NUMBER: | 335157.02/MFCP.247317 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | JOHN S. GOLIAN |
| SIGNATURE: | /JOHN S. GOLIAN/ |
| DATE SIGNED: | 03/15/2016 |

Total Attachments: 3

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PATENT REEL: 037979 FRAME: 0089 503736887

PATENT ASSIGNMENT

| ("ASSIGNOR"), have invented subjet a patent application entitled "Foundation entitled" ("APPLICATION"), which: Will be filed without hereby authorizes Shook, Hardy & Base 64108, who are a here in parenthesis APPLICATION's Application was filed on is filed concurrent Microsoft Corporation, a Windows successors and assigns ("ASSIGNE entire and exclusive rights, title a (and all other applications and applications, in and for the Unit ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive the APPLICATION (and APPLICATION) | ct matter ("INVENTICE PERSONALIZED DEED out this executed PA, and requests, ASSI acon L.L.P. 2555 Grassociated with custs (Application No plication No. and fili and was giver ly herewith; Vashington Corporation, is entitled to, and interest in the lift patents derived ted States, its territated States, its territated Consideration, the the ASSIGNOR herebusive rights, title are ON DERIVATIVES); ate all instruments APPLICATION (and derived therefrom, and interest in the lift consideration in the l | ATENT ASSIGNMENT. ASSIGNOR IGNEE'S legal representatives, of and Blvd., Kansas City, Missouri tomer number 45809, to insert, filed) this ng date, when known; a Application No; tion, on behalf of itself and its and is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries are receipt of which is hereby by sells, assigns and transfers to and interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting |
|--|--|---|
| | 02/23/2012 | Albane to Daher |
| ANTOINE EL DAHER | Date ' | Printed Name in Native Language |
| DEEPAK VIJAYWARGI | Date | Printed Name in Native Language |
| YOGESH KANT ROY | Date | Printed Name in Native Language |

Page 1 of 1

PATENT REEL: 037979 FRAME: 0090

PATENT ASSIGNMENT

| WE, ANTOINE EL DAHER | I, DEEPAK VIJAYWA | RGI, and YOGESH KANT ROY, |
|--|--|--|
| ("ASSIGNOR"), have invented subj | ect matter ("INVENTI | ON") disclosed and/or claimed in |
| a patent application entitled | PERSONALIZED DEE | PLINKS FOR SEARCH RESULTS" |
| ("APPLICATION"), which: | | |
| will be filed with | out this executed P | ATENT ASSIGNMENT. ASSIGNOR |
| hereby authorize | s, and requests, ASS | SIGNEE'S legal representatives, of |
| Shook, Hardy & I | Sacon L.L.P. 2555 G | rand Blvd., Kansas City, Missouri |
| | | tomer number 45809, to insert |
| | | , filed) this |
| the state of the s | | ing date, when known; |
| and the same of th | · *: | n Application No |
| is filed concurren | | |
| , | | ition, on behalf of itself and its |
| | | and is desirous of acquiring, the |
| | | INVENTION and the APPLICATION |
| | | |
| * 1 | | therefrom, such as continuing |
| | ited States, its terri | tories, and all foreign countries |
| ("APPLICATION DERIVATIVES")); | 5.5 | |
| · · · · · · · · · · · · · · · · · · · | | receipt of which is hereby |
| | | by sells, assigns and transfers to |
| | The second of th | nd interest in the INVENTION and |
| the APPLICATION (and APPLICATION) | on derivatives); | |
| ASSIGNOR agrees to exec | ute 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 $\ ^{	ilde{	imes}}$ |
| and perfecting title to the APPLIC | ATION (and APPLICAT | FION DERIVATIVES). |
| | | |
| | | |
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| ANTOINE EL DAHER | Date | Printed Name in Native Language |
| | 00/24/12 | योपका विजयवशीध |
| DEFOAT GEADUADES | Parks 1 | - milioning and in the control of th |
| DEEPAK VIJAYWARGI | Date | Printed Name in Native Language |
| | | |
| YOGESH KANT ROY | Date | Printed Name in Native Language |
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Page 1 of 1

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PATENT REEL: 037979 FRAME: 0091

PATENT ASSIGNMENT

| ("ASSIGNOR"), have invented subj | ect matter ("INVENT | ARGI, and YOGESH KANT ROY, ION") disclosed and/or claimed in EPLINKS FOR SEARCH RESULTS" | | |
|---|---|--|--|--|
| will be filed with | out this executed F | ATENT ASSIGNMENT. ASSIGNOR | | |
| | | | | |
| | hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P. 2555 Grand Blvd., Kansas City, Missouri | | | |
| | | stomer number 45809, to insert | | |
| | | filed) this | | |
| | | ing date, when known; | | |
| *************************************** | • | n Application No; | | |
| is filed concurrent | | , , , , , , , , , , , , , , , , , , , | | |
| | • | ation on hehalf of itself and its | | |
| Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION | | | | |
| (and all other applications and | | | | |
| applications, in and for the Uni | • | , | | |
| ("APPLICATION DERIVATIVES")); | | | | |
| 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, the entire and exclusive rights, title and interest in the INVENTION and | | | | |
| the APPLICATION (and 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). | | | | |
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| ANTOINE EL DAHER | Date | Printed Name in Native Language | | |
| | | | | |
| DEEPAK VIJAYWARGI | Date | Printed Name in Native Language | | |
| | aladonia | and the same of th | | |
| VOTESH VANT BOY | 44141 | नावाडा याम | | |
| OWEDIA WALI LON | Date | Printed Name in Native Language | | |

Page 1 of 1

PATENT REEL: 037979 FRAME: 0092

RECORDED: 03/15/2016