PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------------|----------------|
| ZACHARY MARK GUTT | 08/31/2009 |
| PAUL RONALD RAY | 09/01/2009 |
| RODNEY COLEMAN EDWARDS | 08/31/2009 |
| DARWIN KENGO YAMAMOTO | 08/31/2009 |
| HADY MOUSTAFA ABOU EL KHEIR | 09/01/2009 |
| BRIAN WHALEN MACDONALD | 08/31/2009 |
| JERRY DANIEL BAIN | 09/04/2009 |

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: | 12551236 |

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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

Phone: 816-474-6550
Email: jsaadeh@shb.com

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: 327771.01/MFCP.150920

PATENT

REEL: 023223 FRAME: 0945

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| NAME OF SUBMITTER: | Monplaisir Hamilton |
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| Total Attachments: 7 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page4.tif source=Executed_Assignment#page5.tif source=Executed_Assignment#page6.tif source=Executed_Assignment#page7.tif | |

PATENT REEL: 023223 FRAME: 0946

PATENT ASSIGNMENT

| DARWIN KENGO YAMAMOTO, HA MACDONALD, and JERRY DANIEL ("INVENTION") disclosed and/or of SEARCH AND THREE-DIMENSIONA will be filed without hereby authorizes, Shook, Hardy & Back 64108, who are as here in parenthesis APPLICATION'S App was filed on is filed concurrently Microsoft Corporation, a Wassuccessors and assigns ("ASSIGNEE entire and exclusive rights, title ar (and all other applications and applications, in and for the United ("APPLICATION DERIVATIVES"); For good and valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive the APPLICATION (and APPLICATION) | DY MOUSTAFA ABO BAIN ("ASSIGNOR"), laimed in a patent L RESULTS" ("APPLIC It this executed PA and requests, ASSIC con L.L.P. 2555 Gra ssociated with custo (Application No. 12/5 lication No. and filin and was given wherewith; ashington Corporati E"), is entitled to, and interest in the IN patents derived to ed States, its territo consideration, the he ASSIGNOR hereb usive rights, title and N DERIVATIVES); te all instruments a APPLICATION (and derived therefrom, a | have invented subject matter to application entitled "VISUAL CATION"), which: TENT ASSIGNMENT. ASSIGNOR GNEE'S legal representatives, of and Blvd., Kansas City, Missouri omer number 45809, to insert 051,236, filed 08/31/2009) this ag date, when known; Application No; on, on behalf of itself and its and is desirous of acquiring, the IVENTION and the APPLICATION therefrom, such as continuing ories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to dinterest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting |
|--|--|--|
| Paul Ronald Ray | Date | Printed Name in Native Language |
| Rodney Coleman Edwards | Date | Printed Name in Native Language |

Page 1 of 2

PATENT REEL: 023223 FRAME: 0947

PATENT ASSIGNMENT

| I/WE, ZACHARY MARK GUTT, PAUL RONALD RADARWIN KENGO YAMAMOTO, HADY MOUSTAFA A MACDONALD, and JERRY DANIEL BAIN ("ASSIGNOR" ("INVENTION") disclosed and/or claimed in a pate SEARCH AND THREE-DIMENSIONAL RESULTS" ("APPLICATION") will be filed without this executed hereby authorizes, and requests, ASS Shook, Hardy & Bacon L.L.P. 2555 G. 64108, who are associated with cushere in parenthesis (Application No. and filed was filed on and was given is filed concurrently herewith; Microsoft Corporation, a Washington Corporation successors and assigns ("ASSIGNEE"), is entitled to, entire and exclusive rights, title and interest in the (and all other applications and patents derived applications, in and for the United States, its territ ("APPLICATION DERIVATIVES"); For good and valuable consideration, the acknowledged by the ASSIGNOR, the ASSIGNOR here the ASSIGNEE, the entire and exclusive rights, title and the APPLICATION (and APPLICATION DERIVATIVES); ASSIGNOR agrees to execute all instruments making and prosecution of the APPLICATION (and Itigation regarding letters patent derived therefrom, and perfecting title to the APPLICATION (and APPLICATION (and APPLICATION) (and APPLICATION). | ABOU EL KHEIR, BRIAN WHALEN The properties of the application entitled "VISUAL LICATION"), which: The part of the application entitled "VISUAL LICATION"), which: The part of the application entitled "VISUAL LICATION"), which: The part of the application of the purpose of protecting and for the purpose of protecting |
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| Zachary Mark Gutt Date | Printed Name in Native Language |
| Date Date | France rame in radive Lunguage |
| gd Sould by 9-1-2009 | PAUL PONALD RAY |
| Paul Rohald Ray Date | Printed Name in Native Language |
| | |

Page 1 of 2

Date

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Rodney Coleman Edwards

Printed Name in Native Language

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| DARWIN KENGO YAMAMOTO, I MACDONALD, and JERRY DANIE ("INVENTION") disclosed and/or SEARCH AND THREE-DIMENSION will be filed with hereby authorize Shook, Hardy & I 64108, who are here in parenthes APPLICATION'S APPLICATION'S APPLICATION'S APPLICATION of Corporation, a valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive rights acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive the APPLICATION (and APPLICATION). | HADY MOUSTAFA A L BAIN ("ASSIGNOR claimed in a pate NAL RESULTS" ("APP lout this executed I s, and requests, AS Bacon L.L.P. 2555 C associated with cur is (Application No. 1: pplication No. and file and was give tly herewith; Washington Corpora EE"), is entitled to, and interest in the d patents derived ted States, its terri consideration, the the ASSIGNOR herei lusive rights, title ar DN DERIVATIVES); Ite all instruments APPLICATION (and derived therefrom, a | PATENT ASSIGNMENT. ASSIGNOR SIGNEE'S legal representatives, of Grand Blvd., Kansas City, Missouri stomer number 45809, to insert 2/551,236, filed 08/31/2009) this ling date, when known; en Application No Ation, on behalf of itself and its and is desirous of acquiring, the INVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries ereceipt 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 |
| Zachary Mark Gutt | Date | Printed Name in Native Language |
| Paul Ronald Ray | Date | Printed Name in Native Language |
| Rodneytdwarow | 8731/09 | ROONEY FOW ARDS |
| Rodney Coleman Edwards | Date | Printed Name in Native Language |

| Dai mut. | 8/31/09 | Darnin Kengo Yamamat |
|-----------------------------|---------|---------------------------------|
| Darwin Kengo Yamamoto | Date | Printed Name in Native Language |
| Hady Moustafa Abou El Kheir | Date | Printed Name in Native Language |
| Brian Whalen MacDonald | Date | Printed Name in Native Language |
| Jerry Daniel Bain | Date | Printed Name in Native Language |

| Darwin Kengo Yamamoto | Date | Printed Name in Native Language |
|-----------------------------|--------------------|---------------------------------|
| Hady Moustafa Abou El Kheir | 09/01/2009 Date | Printed Name in Native Language |
| Brian Whalen MacDonald | Date | Printed Name in Native Language |
| Jerry Daniel Bain | Date | Printed Name in Native Language |

| Darwin Kengo Yamamoto | Date | Printed Name in Native Language |
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| Hady Moustafa Abou El Kheir | Date | Printed Name in Native Language |
| market | 8/31/09 | BRIAN WHALEN MACDON |
| Brian Whalen MacDonald | Date | Printed Name in Native Language |
| Jerry Daniel Bain | Date | Printed Name in Native Language |

PATENT ASSIGNMENT

Date Printed Name in Native Language

Hady Moustafa Abou El Kheir Date Printed Name in Native Language

Brian Whalen MacDonald Date Printed Name in Native Language

April 19 Printed Name in Native Language

Printed Name in Native Language