Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | |
|-----------------------|---|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the the fifth inventor's name is shown as Mark Gorecki whereas the correct information is Marek Gorecki previously recorded on Reel 016266 Frame 0224. Assignor(s) hereby confirms the assignment. | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| Hyder Ali | 06/30/2005 |
| Dane Alexander Glasgow | 06/24/2005 |
| David Anton Walters | 06/22/2005 |
| David Dawson | 06/28/2005 |
| Marek Gorecki | 06/23/2005 |
| Neel I. Murarka | 06/24/2005 |

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: | 11159821 |

CORRESPONDENCE DATA

Fax Number: (314)231-4342

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

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Email: uspatents@senniger.com

Correspondent Name: Robert M. Bain

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Address Line 2: Senniger Powers

Address Line 4: St. Louis, MISSOURI 63102

PATENT

REEL: 016728 FRAME: 0882

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| ATTORNEY DOCKET NUMBER: | MS#312516.01 (5196) | |
|---------------------------|---------------------|--|
| NAME OF SUBMITTER: | James J. Barta, Jr. | |
| Total Attachments: 9 | | |
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| | | PATEN | T ASSIGNMENT | |
|--|---------------|-----------------------|--|----------------|
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| SUBMISSION TYP | PE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: ASSIGNMENT | | NT | | |
| CONVEYING PAR | TY DATA | | | |
| | | Name | | Execution Date |
| Hyder Ali | | | | 06/30/2005 |
| ane Alexander G | lasgow | | | 06/24/2005 |
| avid Anton Walte | ors | | 7. 7. 11. 1. 11. 11. 11. 11. 11. 11. 11. | 06/22/2005 |
| David Dawson | | | 06/28/2005 | |
| Mark Gorecki 06/23/2005 | | 06/23/2005 | | |
| Neel I. Murarka 06/24/2005 | | | | |
| ECEIVING PART | Y DATA | | | |
| lame: | Microsoft Co | Microsoft Corporation | | |
| treet Address: | One Microso | One Microsoft Way | | |
| ity: | Redmond | Redmond | | |
| tate/Country: | WASHINGTO | ON | | |
| Postal Code: 98052 | | | | |
| PROPERTY NUME | BERS Total: 1 | | | |
| Property Type Number | | | | |
| Application Number: 11159821 | | | | |
| CORRESPONDEN | CE DATA | | | |
| Fax Number: | (314)23 | 1-4342 | | |
| orrespondence w | • • | | tempt is unsuccessful. | |
| one: | 314231 | | | |

uspatents@senniger.com

Correspondent Name:

Robert M. Bain

Address Line 1:

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NAME OF SUBMITTER:

Robert M. Bain

PATENT

REEL: 016728 FRAME: 0884

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PATENT

REEL: 016728 FRAME: 0885

MS Docket No. 312516.01 (OC Docket No. MSFT 5196)

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PATENT ASSIGNMENT

| PATEN | I ADDIGITMENT |
|---|---|
| WE, Hyder All, Dane Alexar | nder Glasgow, David Anton Walters, David |
| Dawson, Marek Gorecki, Neel I. Murarka | ("ASSIGNOR"), have invented subject matter |
| | in a patent application entitled "APPLICATION |
| LAUNCHING VIA INDEXED DATA" ("APPLI | |
| | is executed PATENT ASSIGNMENT. ASSIGNOR |
| hereby authorizes, and | d requests, ASSIGNEE'S legal representatives, of |
| | no are associated with customer number |
| | here In parenthesis (U.S. Serial No. <u>11/159,86</u> |
| filed <u>06/23/2005</u> | this APPLICATION's U.S. Serial Number and |
| filing date, when know | |
| was filed on | and was given U.S. Serial No; |
| is filed concurrently h | erewith; |
| Microsoft Corporation, a W | ashington 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 into | erest in the INVENTION and the APPLICATION |
| (and all other applications and patents of | derived therefrom, such as continuing |
| applications, in and for the United State | s, its territories, and all foreign countries |
| ("APPLICATION DERIVATIVES")); | • • |
| For good and valuable con | sideration, the receipt of which is hereby |
| acknowledged by the ASSIGNOR, the AS | SIGNOR hereby sells, assigns and transfers to |
| the ASSIGNEE, the entire and exclusive r | ights, title and interest in the INVENTION and |
| the APPLICATION (and APPLICATION DE | RIVATIVES); |
| ASSIGNOR agrees to execu | ite all instruments and documents required for |
| the making and prosecution of the APPI | ICATION (and APPLICATION DERIVATIVES), for |
| litigation regarding letters patent derive | ed therefrom, and for the purpose of protecting |
| and perfecting title to the APPLICATION | (and APPLICATION DERIVATIVES). |
| 6/20) 15 | 112 |
| DATE | Hyder Ali |
| DATE / | Trydel All |
| 6/24/05 | |
| DATE | Dane Alexander Glasgow |
| DATE | David Anton Walters |
| DATE | David Dawson |

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MS Docket No. 3 16.01 (OC Docket No. MorT 5196)

PATENT ASSIGNMENT

| WE, Hyder Ali, Dane Alex | ander Glasgow, David Anton Walters, David |
|--|---|
| | a ("ASSIGNOR"), have invented subject matter |
| | d in a patent application entitled "APPLICATION |
| LAUNCHING VIA INDEXED DATA" ("APP | |
| THE RESERVE OF THE PERSON OF T | this executed PATENT ASSIGNMENT. ASSIGNOR |
| | nd requests, ASSIGNEE'S legal representatives, of |
| | ho are associated with customer number |
| | there in parenthesis (U.S. Serial No. <u>////5912</u>) |
| filed ()(a/23/200 | this APPLICATION's U.S. Serial Number and |
| filing date, when kno | |
| in the second se | and was given U.S. Serial No; |
| is filed concurrently I | |
| | Washington Corporation, on behalf of itself and |
| |), is entitled to, and is desirous of acquiring, the |
| | erest in the INVENTION and the APPLICATION |
| (and all other applications and patents | |
| | es, its territories, and all foreign countries |
| ("APPLICATION DERIVATIVES")); | es, its territories, and all foreign countries |
| ··· | nsideration, the receipt of which is hereby |
| | SSIGNOR hereby sells, assigns and transfers to |
| | rights, title and interest in the INVENTION and |
| the APPLICATION (and APPLICATION DE | |
| | • • |
| | ute all instruments and documents required for |
| | LICATION (and APPLICATION DERIVATIVES), for |
| | ed therefrom, and for the purpose of protecting |
| and perfecting title to the APPLICATION | (and APPLICATION DERIVATIVES). |
| | |
| DATE | Hyder Ali |
| | · · · · · · · · · · · · · · · · · · · |
| | |
| DATE | Dane Alexander Glasgow |
| 6-22-05 | nowal |
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| DATE | David Dawson |
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PATENT ASSIGNMENT

| WE, Hyder Ali, Da | ane Alexander Glasgow, David Anton Walters, David |
|---------------------------------|--|
| | I. Murarka ("ASSIGNOR"), have invented subject matter |
| | or claimed in a patent application entitled "APPLICATION |
| LAUNCHING VIA INDEXED DAT | |
| | without this executed PATENT ASSIGNMENT. ASSIGNOR |
| | orizes, and requests, ASSIGNEE'S legal representatives, of |
| | OWERS, who are associated with customer number, |
| | to insert here in parenthesis (U.S. Serial No. 1//1598 |
| filed ()(a/2) | 23/2005) this APPLICATION's U.S. Serial Number and |
| • | when known; |
| · | |
| | currently herewith; |
| | ration, a Washington Corporation, on behalf of itself and |
| - | SSIGNEE"), is entitled to, and is desirous of acquiring, the |
| | le and interest in the INVENTION and the APPLICATION |
| | patents derived therefrom, such as continuing |
| | nited States, its territories, and all foreign countries |
| • • | |
| ("APPLICATION DERIVATIVES")) | |
| 3 | luable consideration, the receipt of which is hereby |
| - | OR, the ASSIGNOR hereby sells, assigns and transfers to |
| | exclusive rights, title and interest in the INVENTION and |
| the APPLICATION (and APPLICA | |
| | s to execute all instruments and documents required for |
| | of the APPLICATION (and APPLICATION DERIVATIVES), for |
| = | tent derived therefrom, and for the purpose of protecting |
| and perfecting title to the APP | LICATION (and APPLICATION DERIVATIVES). |
| | |
| DATE | Hyder Ali |
| DATE | riyuci An |
| | |
| DATE | Dane Alexander Glasgow |
| | |
| | |
| DATE / 12 / 15 K | David Anton Walters |
| 0/20/00 | A COLO |
| DATE | David Dawson |

MS Docket No. 312516.01 (OC Docket No. MSFT 5196)

DATE

DATE

Mark Gorecki

Page 2 of 2

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MS Docket No. 312516.01 (OC Docket No. MSFT 5196)

DATE NG 10 4 05 Neel I. Murarka

Page 2 of 2

PATENT

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