PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Albert Greenberg | 06/28/2010 |
| David A. Maltz | 06/09/2010 |
| Parveen K. Patel | 06/13/2010 |
| Lihua Yuan | 06/14/2010 |

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: | 12824989 |

CORRESPONDENCE DATA

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Correspondent Name: Dianne Bouton Address Line 1: One Microsoft Way

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

| ATTORNEY DOCKET NUMBER: | 327629.01 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Kanika Mahajan |

Total Attachments: 6

REEL: 024743 FRAME: 0641

PATENT

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> PATENT REEL: 024743 FRAME: 0642

PATENT ASSIGNMENT

I/WE, Albert Greenberg, David A. Maltz, Parveen K. Patel, Lihua Yuan, ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Distributed and Scalable Network Address Translation" ("APPLICATION"), which:

| X | will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR |
|---|--|
| | hereby authorizes, and requests, ASSIGNEE'S legal representatives, of |
| | the Law and Corporate Affairs Department, Microsoft Corporation, One |
| | Microsoft Way, Redmond, Washington 98052, who are associated with |
| | customer number 69316, to insert here in parenthesis (Application No. $\frac{12/824,989}{}$, filed $\frac{06/28/2010}{}$) this APPLICATION's Application No. and |
| | filing date, when known; |
| | was filed on; |
| | is filed concurrently herewith; |
| | |

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 patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("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).

Albert Greenberg

Albert Greenberg

Albert Greenberg

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: 327629.01

| DIAM | 6(9/2010 |
|-------------------------|---|
| David A. Maltz | Date |
| David A. Maltz | |
| Printed Name in English | Printed Name in Native Language (if |
| | other than English) |
| | |
| Parveen K. Patel | Date |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| | |
| Lihua Yuan | Date |
| Printed Name in English | Printed Name in Native Language (if other than English) |

| ("ASSIGNOR"), have invented subject a patent application entitled "Distance ("APPLICATION"), which: X will be filed wither hereby authorizes the Law and Corport Microsoft Way, Recustomer number 12/824,989, filed and filing date, where | |
|---|---|
| ☐ was filed on | and was given Application No; |
| \square is filed concurrent | :lv herewith: |
| | |
| successors and assigns ("ASSIGNI 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 APPLICATION (and APPLICATION ASSIGNOR agrees to executable and prosecution of the litigation regarding letters patent | Washington Corporation, on behalf of itself and its EE"), is entitled to, and is desirous of acquiring, the and interest in the INVENTION and the APPLICATION departments derived therefrom, such as continuing ted States, its territories, and all foreign countries consideration, the receipt of which is hereby the ASSIGNOR hereby sells, assigns and transfers to lusive rights, title and interest in the INVENTION and ON DERIVATIVES); at all instruments and documents required for the APPLICATION (and APPLICATION DERIVATIVES), for derived therefrom, and for the purpose of protecting ATION (and APPLICATION DERIVATIVES). |
| Albert Greenberg | Date |
| Printed Name in English | Printed Name in Native Language (if |

other than English)

| David A. Maltz | Date |
|---------------------------------------|---|
| Printed Name in English | Printed Name in Native Language (if other than English) |
| Parveen K. Patel | 6 13 2 010 Date |
| PARVEEN PATEL Printed Name in English | Printed Name in Native Language (if other than English) |
| | Other than English) |
| Lihua Yuan | Date |
| Printed Name in English | Printed Name in Native Language (if other than English) |

| _ | . Maltz, Parveen K. Patel, Lihua Yuan, r ("INVENTION") disclosed and/or claimed in | | |
|--|---|--|--|
| a patent application entitled "Distributed and Scalable Network Address Translation" ("APPLICATION"), which: | | | |
| hereby authorizes, and rec the Law and Corporate Affa Microsoft Way, Redmond, N customer number 69316, t 12/824,989, filed 06/28/ and filing date, when know | d was given Application No; | | |
| 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 patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("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). | | | |
| Albert Greenberg | Date | | |
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other than English)

| David A. Maltz | Date |
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| Printed Name in English | Printed Name in Native Language (if |
| | other than English) |
| | |
| Parveen K. Patel | Date |
| Printed Name in English | Printed Name in Native Language (if other than English) |
| 20 \$ 2 | 06/14/2010 |
| Lihua Yuan | Date |
| Lihua Yuan | * 4 4 |
| Printed Name in English | Printed Name in Native Language (if |
| | other than English) |