

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT                  |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
|--|---------------------------------|----------------|---------------------|------------|--------------------|------------|-------------------|------------|-----------|------------|--------------|------------|-------------|------------|--|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| CONVEYING PARTY DATA   |                                 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Bill Heinson</td><td>06/19/2007</td></tr><tr><td>Jason A. Antonelli</td><td>06/18/2007</td></tr><tr><td>Thomas Jeyaseelan</td><td>06/22/2007</td></tr><tr><td>Jacob Kim</td><td>06/20/2007</td></tr><tr><td>Amy McDonald</td><td>06/21/2007</td></tr><tr><td>Greg Phipps</td><td>06/19/2007</td></tr></tbody></table> | Name                            | Execution Date | Bill Heinson        | 06/19/2007 | Jason A. Antonelli | 06/18/2007 | Thomas Jeyaseelan | 06/22/2007 | Jacob Kim | 06/20/2007 | Amy McDonald | 06/21/2007 | Greg Phipps | 06/19/2007 |  |
| Name   | Execution Date                  |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Bill Heinson   | 06/19/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Jason A. Antonelli   | 06/18/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Thomas Jeyaseelan  | 06/22/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Jacob Kim  | 06/20/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Amy McDonald   | 06/21/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Greg Phipps  | 06/19/2007                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| RECEIVING PARTY DATA   |                                 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Name:  | Microsoft Corporation           |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Street Address:  | One Microsoft Way               |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| City:  | Redmond                         |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| State/Country:   | WASHINGTON                      |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Postal Code:   | 98052                           |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| PROPERTY NUMBERS Total: 1  |                                 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11768083</td></tr></tbody></table>   | Property Type                   | Number         | Application Number: | 11768083   |                    |            |                   |            |           |            |              |            |             |            |  |
| Property Type  | Number                          |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Application Number:  | 11768083                        |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| CORRESPONDENCE DATA  |                                 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Fax Number:  | (415)369-9665                   |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |                                 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Phone:   | 415-369-9660                    |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Email:   | hkim@vierramagen.com            |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Correspondent Name:  | Stephen R. Bachmann             |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Address Line 1:  | 575 Market Street, Suite 2500   |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| Address Line 4:  | San Francisco, CALIFORNIA 94105 |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| ATTORNEY DOCKET NUMBER:  | MSFT-01171US0                   |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |
| NAME OF SUBMITTER:   | Stephen R. Bachmann             |                |                     |            |                    |            |                   |            |           |            |              |            |             |            |  |

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PATENT

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REEL: 019479 FRAME: 0341

**Total Attachments: 7**

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PATENT ASSIGNMENT

WE, Bill Heinson, Jason A. Antonelli, Thomas Jeyaseelan, Jacob Kim, Amy McDonald, and Greg Phipps ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SCALING NETWORK SERVICES USING DNS" ("APPLICATION"), which:

- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Vierra Magen Marcus & DeNiro LLP, 575 Market Street, Suite 2500, San Francisco, California 94105, who are associated with customer number 47766, to insert here in parenthesis (U.S. Serial No. 11/768,083, filed June 25, 2007) this APPLICATION's U.S. Serial Number and filing date, when known;
- ☐ was filed on ..... and was given U.S. Serial No. ....;
- ☐ 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).

6/19/07  
DATE

Bill Heinson  
Bill Heinson

MS Docket No. 320345.01  
(OC Docket No. MSFT-01171US0)

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).

18 June 2007

DATE

Jason A. Antonelli  
Jason A. Antonelli

MS Docket No. 320345.01  
(OC Docket No. MSFT-01171US0)

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).

6-22-2007

DATE



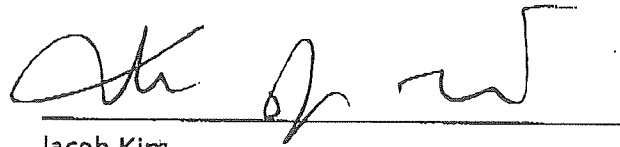
Thomas Jeyaseelan

MS Docket No. 320345.01  
(OC Docket No. MSFT-01171US0)

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).

6/20/2007

DATE



Jacob Kim

MS Docket No. 320345.01  
(OC Docket No. MSFT-01171US0)

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).

Amy McDonald  
DATE

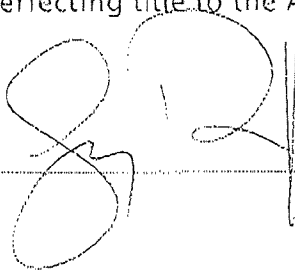
JUNE 21, 2007  
Amy McDonald



MS Docket No. 320345.01  
(OC Docket No. MSFT-01171US0)

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).

DATE



Greg Phipps

6/19/2007