

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT            |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
|---|---------------------------|---------------|----------------|---------------------|------------|--------------------|------------|-----------------|------------|---------------------|------------|--------------------|------------|------------------|------------|
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>CONVEYING PARTY DATA</b>   |                           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas Ewan Jolly</td> <td>11/21/2008</td> </tr> <tr> <td>James T. Pinkerton</td> <td>11/21/2008</td> </tr> <tr> <td>Eileen C. Brown</td> <td>11/21/2008</td> </tr> <tr> <td>David Matthew Kruse</td> <td>11/21/2008</td> </tr> <tr> <td>Prashanth Prahalad</td> <td>11/21/2008</td> </tr> <tr> <td>Vikrant H. Desai</td> <td>11/21/2008</td> </tr> </tbody> </table> |                           | Name          | Execution Date | Thomas Ewan Jolly   | 11/21/2008 | James T. Pinkerton | 11/21/2008 | Eileen C. Brown | 11/21/2008 | David Matthew Kruse | 11/21/2008 | Prashanth Prahalad | 11/21/2008 | Vikrant H. Desai | 11/21/2008 |
| Name  | Execution Date            |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| Thomas Ewan Jolly   | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| James T. Pinkerton  | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| Eileen C. Brown   | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| David Matthew Kruse   | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| Prashanth Prahalad  | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| Vikrant H. Desai  | 11/21/2008                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>RECEIVING PARTY DATA</b>   |                           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Name:</b>  | Microsoft Corporation     |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Street Address:</b>  | One Microsoft Way         |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>City:</b>  | Redmond                   |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>State/Country:</b>   | WASHINGTON                |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Postal Code:</b>   | 98052                     |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12324893</td> </tr> </tbody> </table>   |                           | Property Type | Number         | Application Number: | 12324893   |                    |            |                 |            |                     |            |                    |            |                  |            |
| Property Type   | Number                    |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| Application Number:   | 12324893                  |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>CORRESPONDENCE DATA</b>  |                           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Fax Number:</b>  | (425)936-7329             |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Phone:</b>   | 425-707-2290              |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Email:</b>   | dbouton@microsoft.com     |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Correspondent Name:</b>  | Dianne Bouton             |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Address Line 1:</b>  | One Microsoft Way         |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>Address Line 4:</b>  | Redmond, WASHINGTON 98052 |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 324927.02                 |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |
| <b>NAME OF SUBMITTER:</b>   | Steven Spellman           |               |                |                     |            |                    |            |                 |            |                     |            |                    |            |                  |            |

**CH \$40.00 12324893**

**Total Attachments: 3**

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**PATENT ASSIGNMENT**

We, Thomas Ewan Jolly, James T. Pinkerton, Eileen C. Brown, David Matthew Kruse, Prashanth Prahalad, and Vikrant H. Desai ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Populating and Using Caches in Client-Side Caching" ("APPLICATION"), which:

- 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. 12/324,893, filed 11/28/2008) this APPLICATION's Application No. and filing date, when known;
- was filed on \_\_\_\_\_ and was given Application 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).

  
\_\_\_\_\_  
Inventor's Signature

11/21/08  
\_\_\_\_\_  
Date

Thomas Ewan Jolly  
\_\_\_\_\_  
Printed Name in English

\_\_\_\_\_  
Printed Name in Native Language  
(if other than English)

**PATENT ASSIGNMENT**

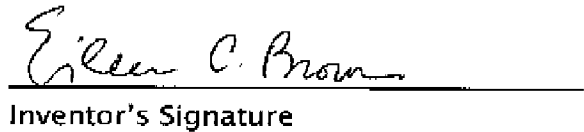
(Continued from page 1 to list additional inventors)

  
Inventor's Signature

11/21/08  
Date

James T. Pinkerton  
Printed Name in English

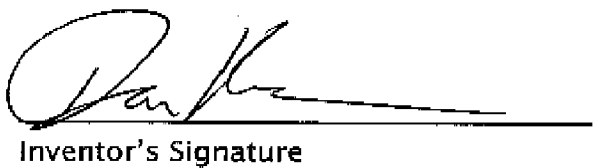
\_\_\_\_\_  
Printed Name in Native Language  
(if other than English)

  
Inventor's Signature

11/21/08  
Date

Eileen C. Brown  
Printed Name in English

\_\_\_\_\_  
Printed Name in Native Language  
(if other than English)

  
Inventor's Signature

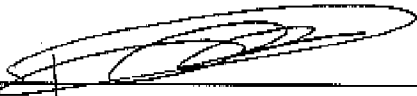
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David Matthew Kruse  
Printed Name in English

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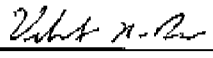
(Continued from page 1 to list additional inventors)

  
\_\_\_\_\_  
Inventor's Signature

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Date

**Prashanth Prahalad**  
\_\_\_\_\_  
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\_\_\_\_\_  
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(if other than English)

  
\_\_\_\_\_  
Inventor's Signature

Nov 21, 2008  
\_\_\_\_\_  
Date

**Vikrant H. Desai**  
\_\_\_\_\_  
Printed Name in English

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Printed Name in Native Language  
(if other than English)