

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|---|---------------|----------------|----------------------|------------|------------------|------------|---------------|------------|--------------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <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>Christopher S. Davis</td> <td>05/24/2005</td> </tr> <tr> <td>David R. Johnson</td> <td>05/24/2005</td> </tr> <tr> <td>Robert F. Day</td> <td>05/25/2005</td> </tr> <tr> <td>Stephan Hoefnagels</td> <td>05/24/2005</td> </tr> <tr> <td>Timothy P. McKee</td> <td>05/24/2005</td> </tr> </tbody> </table> | | Name | Execution Date | Christopher S. Davis | 05/24/2005 | David R. Johnson | 05/24/2005 | Robert F. Day | 05/25/2005 | Stephan Hoefnagels | 05/24/2005 | Timothy P. McKee | 05/24/2005 |
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| Stephan Hoefnagels | 05/24/2005 | | | | | | | | | | | | |
| Timothy P. McKee | 05/24/2005 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
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| City: | Redmond | | | | | | | | | | | | |
| State/Country: | WASHINGTON | | | | | | | | | | | | |
| Postal Code: | 98052 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <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>11136512</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11136512 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 11136512 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| NAME OF SUBMITTER: | Anthony W. Kandare | | | | | | | | | | | | |
| Total Attachments: 2 source=003797.01325 - ASN#page1.tif source=003797.01325 - ASN#page2.tif | | | | | | | | | | | | | |

CH \$40.00 11136512

PATENT

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REEL: 016143 FRAME: 0046

MS Docket No. 312373.01
OC Docket No. 003797.01325

PATENT ASSIGNMENT

WE, Christopher S. Davis, David R. Johnson, Robert F. Day, Stephan Hoefnagels and Timothy P. McKee ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OPERATIONS ENGINE ERROR HANDLING" ("APPLICATION"), which:

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Banner & Witcoff, LTD., 1001 G Street NW, Eleventh Floor, Washington, DC 20001-4597, who are associated with customer number 28319, to insert here in parenthesis (U.S. Serial No. 11/136,512, filed 5/25/05) 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).

24 MAY 05
DATE



Christopher S. Davis

24 MAY 05
DATE



David R. Johnson

DATE

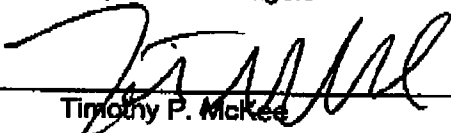
Robert F. Day

24 MAY 2005
DATE



Stephan Hoefnagels

24 MAY 2005
DATE



Timothy P. McKee

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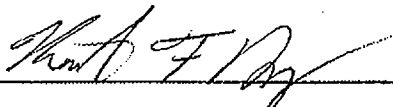
Christopher S. Davis

DATE

David R. Johnson

May 25th 2005

DATE



Robert F. Day