

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Vijay Aski</td> <td>03/05/2012</td> </tr> <tr> <td>Danny Chen</td> <td>02/14/2012</td> </tr> <tr> <td>Chris Lauren</td> <td>03/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Vijay Aski	03/05/2012	Danny Chen	02/14/2012	Chris Lauren	03/05/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Microsoft Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Microsoft Way</td> </tr> <tr> <td>City:</td> <td>Redmond</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98052</td> </tr> </table>		Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052
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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>13414242</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13414242						
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Application Number:	13414242										
CORRESPONDENCE DATA											
<p>Fax Number: (202)280-1393</p> <p>Phone: 2027305773</p> <p>Email: docketing@pctlg.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Raymond Millien</p> <p>Address Line 1: 1725 Duke Street</p> <p>Address Line 2: Suite 240</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>											
NAME OF SUBMITTER:	Raymond Millien										
<p>Total Attachments: 4</p> <p>source=assignmentexecuted#page1.tif</p> <p>source=assignmentexecuted#page2.tif</p> <p>source=assignmentexecuted#page3.tif</p> <p>source=assignmentexecuted#page4.tif</p>											

OP \$40.00 13414242

PATENT ASSIGNMENT

WE, Vijay Aski, Danny Chen, and Chris Lauren ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled " USING DIMENSION SUBSTITUTIONS IN OLAP CUBES" ("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 11437, to insert here in parenthesis (Application No. _____, filed _____) 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"));

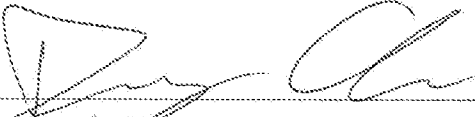
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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).

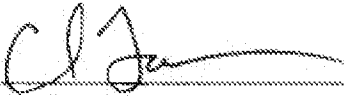
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<u>Vijay Aski</u> Inventor's Signature	<u>3/5/2012</u> Date
<u>Vijay Aski</u> Vijay Aski	<u>www.050 B 8</u> Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

 Inventor's Signature	2/14/2012 Date
Danny H Chen	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

 _____ Inventor's Signature	<u>3/5/2012</u> _____ Date
<u>Chris Lauren</u> _____ Chris Lauren	_____ Printed Name in Native Language (if other than English)