

## PATENT ASSIGNMENT

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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>BRADLEY GENE CALDER</td> <td>12/28/2011</td> </tr> <tr> <td>JU WANG</td> <td>12/28/2011</td> </tr> <tr> <td>VAMAN BEDEKAR</td> <td>01/03/2012</td> </tr> <tr> <td>SRIRAM SANKARAN</td> <td>12/29/2011</td> </tr> <tr> <td>MARVIN MCNETT II</td> <td>01/03/2012</td> </tr> <tr> <td>PRADEEP KUMAR GUNDA</td> <td>01/04/2012</td> </tr> <tr> <td>YANG ZHANG</td> <td>01/01/2012</td> </tr> <tr> <td>SHYAM ANTONY</td> <td>12/31/2011</td> </tr> <tr> <td>KAVITHA MANIVANNAN</td> <td>01/03/2012</td> </tr> <tr> <td>ARILD E SKJOLSVOLD</td> <td>12/29/2011</td> </tr> <tr> <td>HEMAL KHATRI</td> <td>12/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	BRADLEY GENE CALDER	12/28/2011	JU WANG	12/28/2011	VAMAN BEDEKAR	01/03/2012	SRIRAM SANKARAN	12/29/2011	MARVIN MCNETT II	01/03/2012	PRADEEP KUMAR GUNDA	01/04/2012	YANG ZHANG	01/01/2012	SHYAM ANTONY	12/31/2011	KAVITHA MANIVANNAN	01/03/2012	ARILD E SKJOLSVOLD	12/29/2011	HEMAL KHATRI	12/28/2011
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<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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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13346348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13346348																				
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Application Number:	13346348																								
CORRESPONDENCE DATA																									
Fax Number:	(816)421-5547																								
Phone:	816-474-6550																								
Email:	TWINSON@SHB.COM																								
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																									

OP \$40.00 13346348

Correspondent Name:	SHOOK, HARDY & BACON L.L.P. (MICROSOFT C
Address Line 1:	INTELLECTUAL PROPERTY DEPARTMENT
Address Line 2:	2555 GRAND BOULEVARD
Address Line 4:	KANSAS CITY, MISSOURI 64108-2613

ATTORNEY DOCKET NUMBER:	MFCP.165409
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NAME OF SUBMITTER:	CORY W. FISHER
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**Total Attachments: 4**

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PATENT ASSIGNMENT

WE, Bradley Gene Calder, Ju Wang, Vaman Bedekar, Sriram Sankaran, Marvin McNett II, Pradeep Kumar Gunda, Yang Zhang, Shyam Antony, Kavitha Manivannan, Arild E. Skjolsvold and Hemal Khatri ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PAAS HIERARCHIAL SCHEDULING AND AUTO-SCALING" ("APPLICATION"), which:

☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P. 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with customer number 45809, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION's Application No. and filing date, when known;

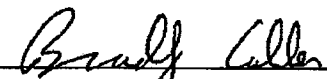
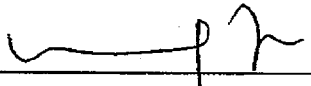
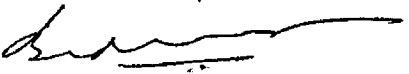
☐ was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_;

☐ is filed concurrently herewith;

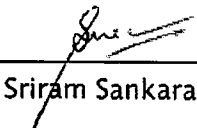
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, 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).

 Bradley Gene Calder	12/28/11 Date	Bradley Calder Printed Name in Native Language
 Ju Wang	12/28/2011 Date	王 强 Printed Name in Native Language
 Vaman Bedekar	01/03/2012 Date	वामन बेडेकर Printed Name in Native Language

PATENT ASSIGNMENT

 Sriram Sankaran	12/29/2011 Date	SRIRAM SANKARAN Printed Name in Native Language
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Marvin McNett II	Date	Printed Name in Native Language
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G. Pradeep Kumar Pradeep Kumar Gunda	01/04/2012 Date	PRADEEP KUMAR GUNDA Printed Name in Native Language
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Yang Zhang	Date	Printed Name in Native Language
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A. Shyam Shyam Antony	12/31/2011 Date	Shyam Antony Printed Name in Native Language
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K. Kavitha Kavitha Manivannan	01/03/2012 Date	KAVITHA MANIVANNAN Printed Name in Native Language
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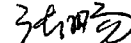
Arild E. Skjolsvold Arild E. Skjolsvold	12/29/11 Date	ARILD SKJOLSVOLD Printed Name in Native Language
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Hemal Khatri Hemal Khatri	12/28/11 Date	HEMAL KHATRI Printed Name in Native Language
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Sriram Sankaran	Date	Printed Name in Native Language
 Marvin McNett II	1-3-2012 Date	Marvin McNett II Printed Name in Native Language
Pradeep Kumar Gunda	Date	Printed Name in Native Language
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