

## 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>ABHAS KUMAR</td><td>01/16/2009</td></tr><tr><td>PRATIBHA PERMANDLA</td><td>01/16/2009</td></tr><tr><td>GAURAV SAREEN</td><td>01/16/2009</td></tr><tr><td>ANNA TIMASHEVA</td><td>01/16/2009</td></tr><tr><td>DEEPAK SHANKAR</td><td>02/09/2009</td></tr></tbody></table>	Name	Execution Date	ABHAS KUMAR	01/16/2009	PRATIBHA PERMANDLA	01/16/2009	GAURAV SAREEN	01/16/2009	ANNA TIMASHEVA	01/16/2009	DEEPAK SHANKAR	02/09/2009	
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DEEPAK SHANKAR	02/09/2009												
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>13292793</td></tr></tbody></table>	Property Type	Number	Application Number:	13292793									
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Application Number:	13292793												
CORRESPONDENCE DATA													
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Correspondent Name:	SHOOK, HARDY & BACON L.L.P. (MICROSOFT C												
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ATTORNEY DOCKET NUMBER:	MFCP.165046												
NAME OF SUBMITTER:	BENJAMIN P. TABOR												
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PATENT

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REEL: 027202 FRAME: 0166

PATENT ASSIGNMENT

WE, Abhas Kumar, Pratibha Permandla, Gaurav Sareen, Anna Timasheva, Deepak Shankar ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "UPDATING AN INVERTED INDEX IN A REAL TIME FASHION" ("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).

  
Abhas Kumar      JAN/16/2009      आभास कुमार  
Date      Printed Name in Native Language

  
Pratibha Permandla      JAN/16/2009      ಪ್ರತಿಭಾ ಪರಮಂದ್ಲ  
Date      Printed Name in Native Language

  
Gaurav Sareen      Jan/16/2009      गौरव सरीन  
Date      Printed Name in Native Language

PATENT ASSIGNMENT

Timma

Anna Timasheva

16/01/09

Date

Anna Timasheva

Printed Name in Native Language

Deepak S.

Deepak Shankar

FEB/09/2009

Date

दीपक शंकर

Printed Name in Native Language