

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jennifer Listgarten	04/24/2009
David Earl Heckerman	04/24/2009
Carl M. Kadie	04/27/2009
RECEIVING PARTY DATA	
Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12431786
CORRESPONDENCE DATA	
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Correspondent Name:	Dianne Bouton
Address Line 1:	One Microsoft Way
Address Line 2:	Patent Group Docketing Dept
Address Line 4:	Redmond, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	326612.02
NAME OF SUBMITTER:	Anup Kumar

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Total Attachments: 4
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I/WE, Jennifer Listgarten, David Earl Heckerman and Carl M. Kadie (“ASSIGNOR”), have invented subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REFINING HLA DATA” (“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. _____, filed _____) this APPLICATION’s Application No. and filing date, when known;
- was filed on 04/29/2009 and was given Application No. 12/431.786 ;
- 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).

 <hr style="border: 0; border-top: 1px solid black;"/>	<u>Friday, April 24, 2009</u> <hr style="border: 0; border-top: 1px solid black;"/>
Inventor’s Signature	Date
<u>Jennifer Listgarten</u>	_____
Printed Name in English	Printed Name in Native Language (if

 _____ Inventor's Signature	<u>4/27/09</u> _____ Date
<u>David Earl Heckerman</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

_____ Inventor's Signature	_____ Date
<u>Carl M. Kadie</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 326612.02

I/WE, Jennifer Listgarten, David Earl Heckerman and Carl M. Kadie (“ASSIGNOR”), have invented subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REFINING HLA DATA” (“APPLICATION”), which:

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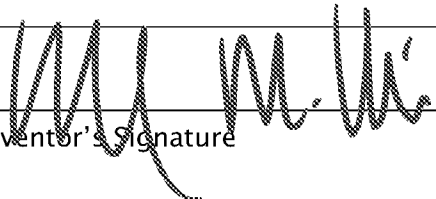

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

_____ Inventor’s Signature	_____ Date
<u>Jennifer Listgarten</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 326612.02

_____ Inventor's Signature	_____ Date
David Earl Heckerman _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

 _____ Inventor's Signature	 _____ Date
Carl M. Kadie _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)