

PATENT ASSIGNMENT

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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>Amir Netz</td> <td>01/27/2009</td> </tr> <tr> <td>Cristian Petculescu</td> <td>01/27/2009</td> </tr> <tr> <td>Adrian Ilcu Predescu</td> <td>01/27/2009</td> </tr> <tr> <td>Marius Dumitru</td> <td>01/29/2009</td> </tr> </tbody> </table>		Name	Execution Date	Amir Netz	01/27/2009	Cristian Petculescu	01/27/2009	Adrian Ilcu Predescu	01/27/2009	Marius Dumitru	01/29/2009
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Amir Netz	01/27/2009										
Cristian Petculescu	01/27/2009										
Adrian Ilcu Predescu	01/27/2009										
Marius Dumitru	01/29/2009										
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" 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>12363637</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12363637						
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Application Number:	12363637										
CORRESPONDENCE DATA											
Fax Number:	(216)696-8731										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	216-696-8730										
Email:	jsexton@thepatentattorneys.com										
Correspondent Name:	Amin, Turocy & Calvin, LLP										
Address Line 1:	127 Public Square										
Address Line 2:	57th Floor, Key Tower										
Address Line 4:	Cleveland, OHIO 44114										
ATTORNEY DOCKET NUMBER:	MS325766.02/MSFTP2493USA										
NAME OF SUBMITTER:	Himanshu S. Amin										
Total Attachments: 4											

OP \$40.00 12363637

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PATENT ASSIGNMENT

MS Docket No. MS325766.02
OC Docket No. MSFTP2493USA

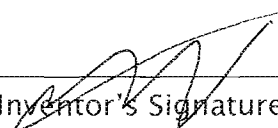
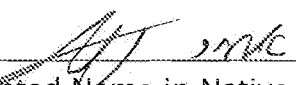
WE, Amir Netz, Cristian Petculescu, Adrian Ilcu Predescu, Marius Dumitru ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "EFFICIENT LARGE-SCALE FILTERING AND/OR SORTING FOR QUERYING OF COLUMN BASED DATA ENCODED STRUCTURES" ("APPLICATION"), which:


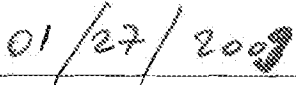
- will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS hereby authorize, and request, ASSIGNEE'S legal representatives, of Amin, Turocy & Calvin, LLP, 127 Public Square, 57th Floor, Key Tower, Cleveland, Ohio 44114, who are associated with customer number 27195, to insert here in parenthesis (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;

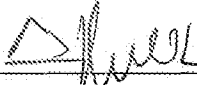
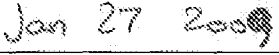
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom,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

ASSIGNORS agree 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	<u>1/27/09</u> _____ Date
Amir Netz _____ Printed Name in English	 _____ Printed Name in Native Language (if other than English)

	
_____ Inventor's Signature	_____ Date
<u>Cristian Petculescu</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

	
_____ Inventor's Signature	_____ Date
<u>Adrian Ilcu Predescu</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

_____ Inventor's Signature	_____ Date
<u>Marius Dumitru</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

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<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Inventor’s Signature	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Date
<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> Amir Netz	<hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/>
Printed Name in English	Printed Name in Native Language (if other than English)

_____ Inventor's Signature	_____ Date
<u>Cristian Petculescu</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

_____ Inventor's Signature	_____ Date
<u>Adrian Ilcu Predescu</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

<u>D. Marius</u> Inventor's Signature	<u>01/29/2009</u> Date
<u>Marius Dumitru</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)