

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>John A. Bocharov</td> <td>10/28/2009</td> </tr> <tr> <td>Geqiang(Sam) Zhang</td> <td>10/30/2009</td> </tr> <tr> <td>Lin Liu</td> <td>10/30/2009</td> </tr> <tr> <td>Anirban Roy</td> <td>10/30/2009</td> </tr> <tr> <td>Jack E. Freeland</td> <td>10/30/2009</td> </tr> <tr> <td>Vishal Sood</td> <td>10/30/2009</td> </tr> <tr> <td>Krishna Prakash Duggaraju</td> <td>10/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	John A. Bocharov	10/28/2009	Geqiang(Sam) Zhang	10/30/2009	Lin Liu	10/30/2009	Anirban Roy	10/30/2009	Jack E. Freeland	10/30/2009	Vishal Sood	10/30/2009	Krishna Prakash Duggaraju	10/30/2009
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Krishna Prakash Duggaraju	10/30/2009																
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>12612685</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12612685												
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CORRESPONDENCE DATA																	
Fax Number:	(425)936-7329																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	425-707-2290																
Email:	dbouton@microsoft.com																
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:	327928.02																

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PATENT
REEL: 023473 FRAME: 0448

NAME OF SUBMITTER:

Medha Kajla

Total Attachments: 9

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PATENT ASSIGNMENT

MS Docket No.: 327928.02

I/WE, John A. Bocharov, Geqiang (Sam) Zhang, Krishna Prakash Duggaraju, Lin Liu, Anirban Roy, Jack E. Freeland, and Vishal Sood ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INTEGRATING CONTINUOUS AND SPARSE STREAMING 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 11/05/2009 and was given Application No. 12/612,685 ;
- 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).

_____ Inventor's Signature	_____ Date
<u>John A. Bocharov</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)

 _____ Inventor's Signature	<u>10/30/2009</u> _____ Date
<u>Geqiang (Sam) Zhang</u> Printed Name in English	<u>章葛强</u> _____ Printed Name in Native Language (if other than English)

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

 _____ Inventor's Signature	<u>10/30/2009</u> _____ Date
<u>Lin Liu</u> Printed Name in English	<u>刘林</u> _____ Printed Name in Native Language (if other than English)

<u>Anirban Roy</u> Inventor's Signature	<u>10/30/2009</u> Date
<u>Anirban Roy</u> Printed Name in English	<u>অনির্বান রায়</u> Printed Name in Native Language (if other than English)

<u>Jack E. Frelander</u> Inventor's Signature	<u>10/30/2009</u> Date
<u>Jack E. Frelander</u> Printed Name in English	<u> </u> Printed Name in Native Language (if other than English)

<u>Vishal Sood</u> Inventor's Signature	<u>10/30/2009</u> Date
<u>Vishal Sood</u> Printed Name in English	<u>विशाल सूड</u> Printed Name in Native Language (if other than English)

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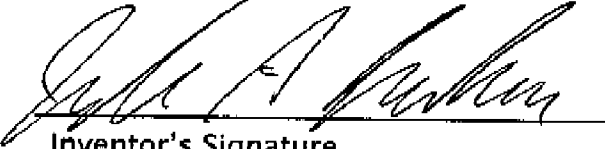
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<u>John A. Bocharov</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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<u>Gegiang (Sam) Zhang</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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<u>Krishna Prakash Duggaraju</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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<u>Lin Liu</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

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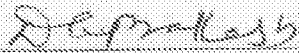
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John A. Bocharov	
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Inventor's Signature	Date
Geqiang (Sam) Zhang	
Printed Name in English	Printed Name in Native Language (if other than English)

	10/30/2009
Inventor's Signature	Date
Krishna Prakash Duggaraju	శ్రీ శ్రీ కృష్ణ దుగ్గరాజు
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Lin Liu	
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