

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Magdi Morsi</td> <td>02/22/2012</td> </tr> <tr> <td>Wai Ho Au</td> <td>02/22/2012</td> </tr> <tr> <td>Amgad Neematallah</td> <td>02/22/2012</td> </tr> <tr> <td>Will Xu</td> <td>02/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Magdi Morsi	02/22/2012	Wai Ho Au	02/22/2012	Amgad Neematallah	02/22/2012	Will Xu	02/22/2012
Name	Execution Date										
Magdi Morsi	02/22/2012										
Wai Ho Au	02/22/2012										
Amgad Neematallah	02/22/2012										
Will Xu	02/22/2012										
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>13405362</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13405362						
Property Type	Number										
Application Number:	13405362										
CORRESPONDENCE DATA											
Fax Number:	(425)936-7329										
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ATTORNEY DOCKET NUMBER:	334614.01										
NAME OF SUBMITTER:	Medha Kajla										
Total Attachments: 2 source=334614-01-Exec-Assignment#page1.tif source=334614-01-Exec-Assignment#page2.tif											

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PATENT ASSIGNMENT

MS Docket No.: 334614.01

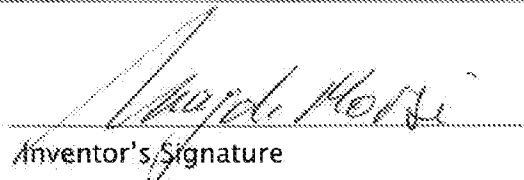
I/WE, Magdi Morsi, Wai Ho Au, Amgad Neematallah, and Will Xu ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Model-Based Data Pipeline System Optimization" ("APPLICATION"), which:

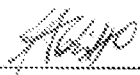
- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. 13/405,362, filed 02/27/2012) this APPLICATION's Application No. and filing date, when known;
- was filed on _____ and was given Application No. _____;
- is filed concurrently herewith;

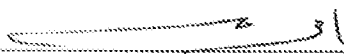
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

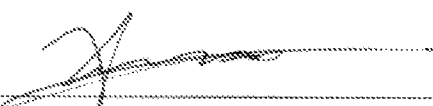
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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).

	<u>2/22/2012</u>
Inventor's Signature	Date
Magdi Morsi	<u>MAGDI MORSI</u>
Printed Name in English	Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>Feb. 22, 2012</u> Date
Wai Ho Au Printed Name in English	 Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>2/22/2012</u> Date
Amgad Neematallah Printed Name in English	 Printed Name in Native Language (if other than English)

 Inventor's Signature	<u>Feb 22nd 2012</u> Date
Will Xu Printed Name in English	 Printed Name in Native Language (if other than English)