

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4137971

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHICHENG YIN	09/22/2016
JIN SUN	09/22/2016
MING LI	09/23/2016
JALIYA NISHANTHA EKANAYAKE	09/23/2016
YONGCHUL KWON	09/25/2016
JOSE A. BLAKELEY	09/22/2016
MARC T. FRIEDMAN	11/08/2016
HAIBO LIN	10/17/2016
RAGHUNATH RAMAKRISHNAN	11/08/2016
TAO GUAN	10/26/2016

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC
Street Address:	ONE MICROSOFT WAY, PATENT DOCKETING GROUP DEPT
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15267115

CORRESPONDENCE DATA

Fax Number: (425)707-9382

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 4257079382

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Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT DOCKETING GROUP DEPT

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	360515-US-NP
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PATENT

NAME OF SUBMITTER:	MICHAEL B. DODD
SIGNATURE:	/Michael B. Dodd/
DATE SIGNED:	11/10/2016
Total Attachments: 20 source=360515-US-NP-Assignment#page1.tif source=360515-US-NP-Assignment#page2.tif source=360515-US-NP-Assignment#page3.tif source=360515-US-NP-Assignment#page4.tif source=360515-US-NP-Assignment#page5.tif source=360515-US-NP-Assignment#page6.tif source=360515-US-NP-Assignment#page7.tif source=360515-US-NP-Assignment#page8.tif source=360515-US-NP-Assignment#page9.tif source=360515-US-NP-Assignment#page10.tif source=360515-US-NP-Assignment#page11.tif source=360515-US-NP-Assignment#page12.tif source=360515-US-NP-Assignment#page13.tif source=360515-US-NP-Assignment#page14.tif source=360515-US-NP-Assignment#page15.tif source=360515-US-NP-Assignment#page16.tif source=360515-US-NP-Assignment#page17.tif source=360515-US-NP-Assignment#page18.tif source=360515-US-NP-Assignment#page19.tif source=360515-US-NP-Assignment#page20.tif	

I Zhicheng Yin (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE’S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE’S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____ and given Application No. _____ by the following Office _____) this APPLICATION’s Application No., filing date, and Office, when known;
- was filed on September 15, 2016 and was given Application No. 15/267,115 by the following Office “U.S. Patent Office”;

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (“APPLICATION DERIVATIVES”));

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<u>Zhicheng Yin</u> Inventor's Signature	<u>9/22/2016</u> Date
<u>Zhicheng Yin</u> Printed Name in English	<u>尹致诚</u> Printed Name in Native Language (if other than English)

I Jin Sun (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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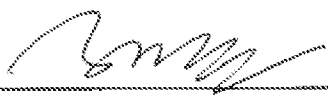
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	2016.9.22
Inventor's Signature	Date
Jin Sun	孙进
Printed Name in English	Printed Name in Native Language (if other than English)

I Ming Li ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION" ("APPLICATION"), which:

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I Jaliya Nishantha Ekanavake ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION" ("APPLICATION"), which:

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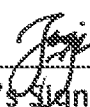
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	09/23/2016
_____ Inventor's Signature	_____ Date
Jaliya Nishantha Ekanayake	ජාලියා නිෂාන්ත එකනායක
_____ Printed Name In English	_____ Printed Name in Native Language (if other than English)

RI Yongchul Kwon (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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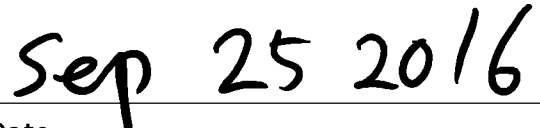
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Inventor's Signature	Date
Yongchul Kwon	권용철
Printed Name in English	Printed Name in Native Language (if other than English)

I José A. Blakeley (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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<i>José A. Blakeley</i>	09/22/2016
_____ Inventor's Signature	_____ Date
José A. Blakeley	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Marc T. Friedman (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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	<u>8-Nov-2016</u>
Inventor's Signature	Date
<u>Marc T. Friedman</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

I Haibo Lin (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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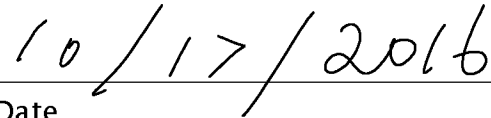
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 _____ Inventor's Signature	 _____ Date
Haibo Lin _____ Printed Name in English	林海波 _____ Printed Name in Native Language (if other than English)

I Raghunath Ramakrishnan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION" ("APPLICATION"), which:

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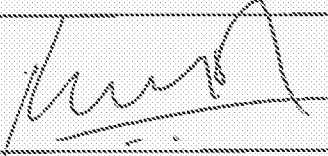
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	<u>11/8/2016</u>
Inventor's Signature	Date
Raghunath Ramakrishnan	
Printed Name in English	Printed Name in Native Language (if other than English)

I Tao Guan (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “OPTIMIZING PIPELINING RESULT SETS WITH FAULT TOLERANCE IN DISTRIBUTED QUERY EXECUTION” (“APPLICATION”), which:

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MS Docket No.: 360515-1-5-NP

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