505788275 11/22/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAMON ROBERT HACHMEISTER	10/15/2015
HAI NING	10/14/2015
LIDIANE SOUZA JONES	10/15/2015

RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY
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State/Country:	WASHINGTON
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16692424

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2596.1.1
NAME OF SUBMITTER:	J. LAVAR OLDHAM
SIGNATURE:	/J. LaVar Oldham/
DATE SIGNED:	11/22/2019

Total Attachments: 6

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PATENT REEL: 051089 FRAME: 0476 505788275

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PATENT REEL: 051089 FRAME: 0477

MS Docket No.: <u>357955.02</u> WN Docket No.: <u>13768.2596.1</u>

joint inventor of subject matter entitled " <u>User Directed Partial</u>	- · ·	osed and/or claimed in a patent application PPLICATION"), which:
legal represent Microsoft Way, REPRESENTA' on <u>2015-10-15</u> following	ative, Microsoft Tec Redmond, Washingto FIVES), to insert and given Appl Office <u>USPTO</u>	orizes, and requests, ASSIGNEE'S hnology Licensing, LLC., One on 98052 (ASSIGNEE'S LEGAL here in parentheses (filed ication No. 14/884453 by the) this ng date, and Office, when known;
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	Filing Date	
For good and valuable of	consideration, the receip	ot of which is hereby acknowledged by the

I <u>Damon Robert Hachmeister</u> ("ASSIGNOR") am the original inventor or an original

Page 1 of 2

and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's 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,

MS Docket No.: <u>357955.02</u> WN Docket No.: <u>13768.2596.1</u>

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

Damon Robert Hachmeister

Printed Name in English

Damon Robert Hackneiste

Printed Name in Native Language

(if other than English)

MS Docket No.: <u>357955.02</u> WN Docket No.: <u>13768.2596.1</u>

I <u>Hai Ning</u> ("ASSIGNOI subject matter ("INVENTION") d <u>Directed Partial Graph Execution</u> "	isclosed and/or claimed in a	
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Microsoft Technology Lic behalf of itself and its successors acquiring, the entire and exclusive INVENTION and the APPLICAT such as continuing applications, in and all foreign countries ("APPLICATION IN INC.)	and assigns ("ASSIGNEE") rights, title and interest, inc ION (and all other application whole or in part, in and for	luding the right of priority, in the ns and patents derived therefrom, r the United States, its territories,
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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, ASSIGNOR's 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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M3.	10/14/2015
Inventor's Signature	Date
Hai Ning Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>357955.02</u> WN Docket No.: <u>13768.2596.1</u>

I <u>Lidiane Souza Jones</u> ("inventor of subject matter ("INV."		inal inventor or an original join r claimed in a patent application
entitled "User Directed Partial Gra	in From Justiosed and on the Execution " ("APPLICA	TION"), which:
will be filed. ASSI legal representative Microsoft Way, Representative REPRESENTATIVE following Off APPLICATION's A was filed on October by the following Off	GNOR hereby authorizes, a re, Microsoft Technology edmond, Washington 9805 ES), to insert here in and given Application No., filing date, a ref. 2015 and was given Applice USPTO;	nd requests, ASSIGNEE'S Licensing, LLC., One 2 (ASSIGNEE'S LEGAL parentheses (filed on o by the) this and Office, when known; oplication No 14/884453
behalf of itself and its successors acquiring, the entire and exclusive INVENTION and the APPLICATI such as continuing applications, ir and all foreign countries ("APPLICATION and all foreign countries ("APPLICATION APPLICATION APPLIC	and assigns ("ASSIGNEE") rights, title and interest, including the control of the	cluding the right of priority, in the cons and patents derived therefrom or the United States, its territories; ests, ASSIGNEE'S LEGAL
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Riliana Iones	10/15/2015
Inventor's Signature	Date
Lidiane Souza Jones	
Printed Name in English	Printed Name in Native Language (if other than English)