504014433 09/21/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAIRY CHIU YING CHEUNG	09/13/2016
TAUREAN ADDAIR JONES	09/16/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15270396

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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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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Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

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ATTORNEY DOCKET NUMBER:	98052-14/360779.01
NAME OF SUBMITTER:	STEPHANIE STEVENS
SIGNATURE:	/Stephanie Stevens/
DATE SIGNED:	09/21/2016

Total Attachments: 4

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PATENT 504014433 REEL: 039808 FRAME: 0954

MS Docket No.: <u>360779.01</u>

I <u>Chairy Chiu Ying CHEUNG</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SYSTEMS AND METHODS FOR DATA TYPE IDENTIFICATION AND ADJUSTMENT" ("APPLICATION"), which:

will	be	filed.	ASSIGNOR	hereby	autho	orizes,	and	requ	ests,
ASSI	GNE	E'S lega	l representa	tive, Micr	osoft	Techno	ology	Licen	sing,
LLC,	One	Micros	oft Way, Red	mond, Wa	ashing	ton 980	052 (A	SSIGI	NEE'S
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	ASSI LLC, LEGA on No. Offic Appl was	ASSIGNED LLC, One LEGAL Roon No. Office _ Application was filed No	ASSIGNEE'S lega LLC, One Microso LEGAL REPRESEN on No. Office Application No., was filed on No	ASSIGNEE'S legal representa LLC, One Microsoft Way, Red LEGAL REPRESENTATIVES), to on No. Office Application No., filing date, a was filed on by the form	ASSIGNEE'S legal representative, MicroLLC, One Microsoft Way, Redmond, WalleGAL REPRESENTATIVES), to insert on and No by Office Application No., filing date, and Office was filed on and was on by the following	ASSIGNEE'S legal representative, Microsoft LLC, One Microsoft Way, Redmond, Washing LEGAL REPRESENTATIVES), to insert here on and No by Office) Application No., filing date, and Office, where was filed on and was given A No by the following Office	ASSIGNEE'S legal representative, Microsoft Technol LLC, One Microsoft Way, Redmond, Washington 980 LEGAL REPRESENTATIVES), to insert here in part on and given No. by the Office by this Application No., filing date, and Office, when known was filed on and was given Application No by the following Office	ASSIGNEE'S legal representative, Microsoft Technology LLC, One Microsoft Way, Redmond, Washington 98052 (A LEGAL REPRESENTATIVES), to insert here in parenthe on and given A No by the Office this APPLI Application No., filing date, and Office, when known; was filed on and was given Application No by the following Office	No by the following Office this APPLICATION No., filing date, and Office, when known; was filed on and was given Application No by the following 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")):

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office	
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Page 1 of 2

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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"));

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).

Jan	
	9/13/16
Inventor's Signature	Date
Chairy Chiu Ying CHEUNG	
Printed Name in English	Printed Name in Native Language (if other than English)

20965712.1

MS Docket No.: 360779.01

MS Docket No.: <u>360779.01</u>

I <u>Taurean Addair JONES</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SYSTEMS AND METHODS FOR DATA TYPE IDENTIFICATION AND ADJUSTMENT" ("APPLICATION"), which:

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	ASSIC	NEE	'S lega	l represent	ative, Micı	rosoft	Techno	ology	Licen	sing,
	LLC, (One	Micros	oft Way, Re	dmond, Wa	ashing	ton 98	052 (A	SSIGI	NEE'S
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2	9/16/2016
Inventor's Signature	Date
Taurean Addair JONES	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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RECORDED: 09/21/2016

PATENT REEL: 039808 FRAME: 0958

MS Docket No.: 360779.01