

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4106607

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
APRIL MARIE OLSON	10/20/2016
WILLIAM LESLIE FRANDBSEN	10/19/2016
KIMBERLY KROETSCH	10/20/2016
DUSTIN JAMES GUSTAFSON	10/19/2016
RUSSELL BROWN	10/19/2016
TODD LEFOR	10/19/2016
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:	15298985
CORRESPONDENCE DATA	
Fax Number:	(248)641-0270
<i>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.</i>	
Phone:	248-641-1600
Email:	usdocket@microsoft.com
Correspondent Name:	HARNES, DICKEY & PIERCE, P.L.C.
Address Line 1:	P.O. BOX 828
Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48303
ATTORNEY DOCKET NUMBER:	98052-18/361198.01
NAME OF SUBMITTER:	STEPHANIE STEVENS
SIGNATURE:	/Stephanie Stevens/
DATE SIGNED:	10/20/2016
Total Attachments: 12	

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I April Marie OLSON ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("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 _____ 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"));

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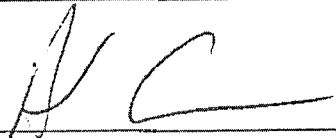
Application No.	Filing Date	Office

PATENT ASSIGNMENT

MS Docket No.: 361198.01

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).

	<u>10/20/16</u>
Inventor's Signature	Date
<u>April Marie OLSON</u>	<u>April Olson</u>
Printed Name in English	Printed Name in Native Language (if other than English)

I William Leslie FRANDSEN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("APPLICATION"), which:

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Application No.	Filing Date	Office

I Kimberly KROETSCH ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("APPLICATION"), which:

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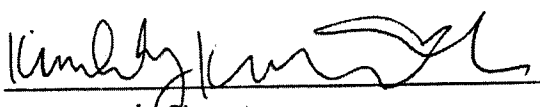
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 _____ Inventor's Signature	<u>10/20/2016</u> _____ Date
<u>Kimberly KROETSCH</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

21121026.1

I Dustin James GUSTAFSON ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("APPLICATION"), which:

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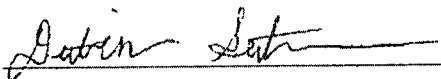
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 _____ Inventor's Signature	Oct 19 2016 _____ Date
Dustin James GUSTAFSON _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

21121207 1

I Russell BROWN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("APPLICATION"), which:

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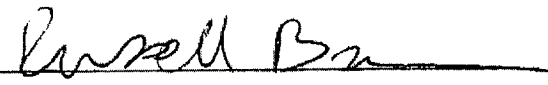
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	<u>10/19/2016</u>
Inventor's Signature	Date
<u>Russell BROWN</u>	<u>Russell Brown</u>
Printed Name in English	Printed Name in Native Language (if other than English)

21121195 1

I Todd LEFOR ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "COMPUTER SYSTEMS AND METHODS USING MULTIPLE NEUTRAL TYPE CHARACTERS AS DELIMITERS BETWEEN SEGMENTS IN STRUCTURED, MULTI-SEGMENT DATA VALUES" ("APPLICATION"), which:

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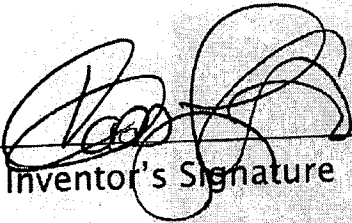

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 _____ Inventor's Signature	10/19/2016 _____ Date
Todd LEFOR _____ Printed Name in English	 _____ Printed Name in Native Language (if other than English)

21121200.1