PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4483139

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NATHAN WIEBE	09/18/2014
MARTIN ROETTELER	09/18/2014

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15316500

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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: 503-595-5300

Email: sarah.coyne@klarquist.com
Correspondent Name: KLARQUIST SPARKMAN, LLP

Address Line 1: 121 SW SALMON STREET, SUITE 1600

Address Line 2: ONE WORLD TRADE CENTER
Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	3382-93053-05
NAME OF SUBMITTER:	MICHAEL D. JONES
SIGNATURE:	/Michael D. Jones/
DATE SIGNED:	06/28/2017

Total Attachments: 4

source=Assignment - Inventors to MC 3382-93053-05#page1.tif source=Assignment - Inventors to MC 3382-93053-05#page2.tif source=Assignment - Inventors to MC 3382-93053-05#page3.tif source=Assignment - Inventors to MC 3382-93053-05#page4.tif

PATENT 504436438 REEL: 042854 FRAME: 0617

MS Docket No.: 355048.01 (OC Docket No. 3382-93053-01)

PATENT ASSIGNMENT

inventor of subj application entit	ect matter ("INVE	OR"), am the original inven NTION") disclosed and/or ALGORITHMS FOR ARITHM ich:	claimed in a patent
	legal representat Street, Suite 160 customer numbe insert here in pa Nob United States Pat Application No. 1	cives, of Klarquist Sparkma O, Portland, OR 97204, wher 26119, (ASSIGNEE'S LEG rentheses (filed on y the following Office: tent and Trademark Office filing date, and Office, wh	no are associated with AL REPRESENTATIVES) to, and given Application) this APPLICATION's en known; oplication No. June 6, 2014
successors and entire and exclu INVENTION and therefrom, such States, its territor ASSIGNO to insert the Ap	assigns ("ASSIGN isive rights, title the APPLICATION as continuing appries, and all fore	ng date, and Office into th	desirous of acquiring, the right of priority, in the sand patents derived part,in and for the United ON DERIVATIVES"));
Application No	n	Filing Date	Office
,			

Page 1 of 2

MS Docket No.: 355048.01 (OC Docket No. 3382-93053-01)

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).

Inventor's Signature	
Printed Name in English	Printed Name in Native Language (if
	other than English)

MS Docket No.: 355048.01 (OC Docket No. 3382-93053-01)

PATENT ASSIGNMENT

I, Marti inventor of su application en	n Roetteler ("ASSIC bject matter ("INVI stitled "QUANTUM .	ONOR"), am the orig ENTION") disclosed ALGORITHMS FOR A	inal inventor or an orig and/or claimed in a pa ARITHMETIC AND FUNC	jinal joint itent TION
	will be filed. ASS legal representa Street, Suite 160 customer numbers insert here in part Nob United States Part Application Nob was filed on 62/	SIGNOR hereby autitives, of Klarquist S 00, Portland, OR 97 er 26119, (ASSIGNE arentheses (filed on by the following Off atent and Trademar filing date, and Of	horizes, and requests, parkman, LLP, 121 SW 204, who are associate E'S LEGAL REPRESENTA and given ice: k Office) this APPLICAT	ASSIGNEE'S Salmon ed with ATIVES) to Application ION's
successors an entire and exc INVENTION an therefrom, su States, its terr ASSIGN to insert the A	d assigns ("ASSIGN clusive rights, title nd the APPLICATION ch as continuing a ritories, and all for IOR hereby authori	NEE"), is entitled to, and interest, includently N (and all other appopulations, in who eign countries ("API izes, and requests, ing date, and Office	ration, on behalf of itse and is desirous of acq ding the right of priorit plications and patents of le or in part,in and for PLICATION DERIVATIVE ASSIGNEE'S LEGAL REPI e into the following tab	uiring, the y, in the derived the United 'S")); RESENTATIVES
Application N	ło.	Filing Date	Office	
		· · · · · · · · · · · · · · · · · · ·		
	<u> </u>			8:

Page 1 of 2

MS Docket No.: 355048.01 (OC Docket No. 3382-93053~01)

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).

16 July	9/18/2014	
Inventor's Signature	Date	
Martin Roetteler		
Printed Name in English	Printed Name in Native Language (if other than English)	