505012478 07/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5059226

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT CHAO-CHUEH LEE	04/01/2013
ROBIN A. ALEXANDER	03/31/2013
LEE E. PREWITT	03/29/2013
CHIUCHIN CHEN	03/20/2013
VLADIMIR SADOVSKY	04/03/2013

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:	16040427

CORRESPONDENCE DATA

Fax Number:

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.

Email: usdocket@microsoft.com

Correspondent Name: NEWPORT IP, LLC

Address Line 1: 1400 112TH AVE SE, SUITE 100
Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:	MS2-0003USC2
NAME OF SUBMITTER:	PAOLA SEVERICH
SIGNATURE:	/Paola Severich/
DATE SIGNED:	07/19/2018

Total Attachments: 10

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> PATENT REEL: 046405 FRAME: 0891

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PATENT REEL: 046405 FRAME: 0892

PATENT ASSIGNMENT MS Docket No.: 338385.01

joint inventor of subject mat	ter ("INVENTION") disclose	riginal inventor or an original ed and/or claimed in a patent mory Device" ("APPLICATION"),
ASSIGNEE'S legal Department, Mic Washington 980! here in parentl Application N OfficeUS Paten	ASSIGNOR hereby authorepresentatives, of the La rosoft Corporation, One MS2 (ASSIGNEE'S LEGAL REPROBLES (filed on 12-APROBLE) on 13/862104 tand Trademark Office filing date, and Office, whe	w and Corporate Affairs icrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
	and was given by the following Offic ";	
successors and assigns ("ASSI entire and exclusive rights, ti (and all other applications	GNEE"), is entitled to, and tle and interest in the INV and patents derived the United States, its territor	n, on behalf of itself and its I is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
		g date, and Office into the
	Filing Date	Office

Page 1 of 2

	A COLONIA CENTE
PATENT	ASSIGNMENT

PATENT ASSIGNMENT		MS Docket No.:	338385.01		

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Ast Char-Chuel Lee Inventor's Signature	+/1/2013 Date
Scott Chao-Chueh Lee	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 338385.01

I <u>Robin A. Alexander</u> ("A inventor of subject matter ("application entitled " <u>Block Stor</u> which:	'INVENTION") disclosed	
ASSIGNEE'S legal r Department, Micro Washington 98052 here in parentho Application No Office	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One Mic (ASSIGNEE'S LEGAL REPRESES (filed on 12-APRESE). 13/862104 and Trademark Office	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert 2013 and given by the following) this APPLICATION's
	and was given	• •
	by the following Office 	<u> </u>
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert the	•	uests, ASSIGNEE'S LEGAL
following table for any APPLICA		_
Application No.	Filing Date	Office
		

Page 1 of 2

PATE	NT ASSIGNMENT	MS Docket No.:	<u>338385.01</u>
			. <u></u>

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Inventor's Signature	3/31/13 Date
Robin A. Alexander Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

			isclosed and/or claimed in a pate <u>/brid Memory Device</u> " ("APPLICATION
	ASSIGNEE'S legal Department, Mic Washington 980 here in parent Application of the OfficeUS Pater	I representatives, or crosoft Corporation 52 (ASSIGNEE'S LEG cheses (filed on 13/862104 on tand Trademark Office	eby authorizes, and requests, of the Law and Corporate Affairs n, One Microsoft Way, Redmond, GAL REPRESENTATIVES), to insert and given by the following) this APPLICATION's ffice, when known;
		and w by the followi	vas given Application ving Office ;
successors a entire and ex (and all oth applications,	nd assigns ("ASS xclusive rights, ti ner applications	iGNEE"), is entitled itle and interest in and patents der United States, its	orporation, on behalf of itself and d to, and is desirous of acquiring, to the INVENTION and the APPLICATION the therefrom, such as continuing territories, and all foreign countr
REPRESENTAT	TIVES to insert	the Application N	nd requests, ASSIGNEE'S LEC No., filing date, and Office into ES after they are known;
	lo.		Office

Page 1 of 2

MS Docket No.: 338385.01

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MS Docket No.: 338385.01

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

202	Ø3/29/2×3
Inventor's Signature	Date
Lee E. Prewitt	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 338385.01 I Chiuchin Chen ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Block Storage Using a Hybrid Memory Device" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____12-APR-2013 and given 13/862104 Application No. by the following Office US Patent and Trademark 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 Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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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PATENT ASSIGNMENT

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MS Docket No.: 338385.01

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Christ Chan	03/20/2013
Inventor's Signature	Date
Chiuchin Chen	
Printed Name in English	Printed Name in Native Language (if other than English)
	(II Other than Eligibli)

MS Docket No.: 338385.01 PATENT ASSIGNMENT I Vladimir Sadovsky ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Block Storage Using a Hybrid Memory Device" ("APPLICATION"), which: ASSIGNOR hereby authorizes, and requests, will be filed. ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on ____12-APR-2013 and given following Office Application No. 13/862104 by the US Patent and Trademark Office APPLICATION'S this Application No., filing date, and Office, when known; was filed on _____ and was given Application No _____ by the following Office Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); **LEGAL** and requests. ASSIGNEE'S authorizes, **ASSIGNOR** hereby REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Filing Date Application No.

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MS Docket No.: 338385.01

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Inventor's Signature	4/3/2013 Date
Vladimir Sadovsky	Printed Name in Native Language
Printed Name in English	(if other than English)