PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT2964839

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INCORRECT APPLICATION NUMBER LISTED ON THE ASSIGNMENT AND NOR. previously recorded on Reel 033263 Frame 0896. Assignor(s) hereby confirms the WRONG APPLICATION NO. LISTED ON THE ASSIGNMENT & NOR IS 13/830,445 WHILE THE CORRECT NO. SHOULD BE LISTED AS 14/320,232.
RESUBMIT DOCUMENT ID:	502910535

CONVEYING PARTY DATA

Name	Execution Date
MEHMET IYIGUN	03/22/2013
YEVGENIY M. BAK	03/25/2013
ERIC M. BLUESTEIN	03/12/2013
ROBIN A. ALEXANDER	03/21/2013
ANDREW M. HERRON	03/22/2013
XIAOZHONG XING	03/22/2013

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:	14320232

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.

Phone: 5097557262

Email: gary@wolfe-sbmc.com

Correspondent Name: WOLFE-SBMC

Address Line 1: 601 W. MAIN AVENUE

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER: 338249.03

502918241 REEL: 033452 FRAME: 0297

PATENT

NAME OF SUBMITTER:	ALLAN T. SPONSELLER	
SIGNATURE:	/Allan T. Sponseller, Reg. #38,318/	
DATE SIGNED:	08/01/2014	

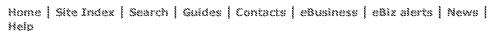
Total Attachments: 14

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PATENT REEL: 033452 FRAME: 0298



United States Patent and Trademark Office





Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEHMET IYIGUN	03/22/2013
YEVGENIY M. BAK	03/25/2013
ERIC M. BLUESTEIN	03/12/2013
ROBIN A. ALEXANDER	03/31/2013
ANDREW M. HERRON	03/22/2013
XIAOZHONG XING	03/22/2013

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

13830445 Application Number: CORRESPONDENCE DATA Fax Number: Phone: 5097557262 Email: gary@wolfe-sbmc.com 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. Correspondent Name: WOLFE-SBMC Address Line 1: 601 W. MAIN AVENUE Address Line 2: **SUITE 1300** Address Line 4: SPOKANE, WASHINGTON 99201 ATTORNEY DOCKET 338249.03 NUMBER: NAME OF SUBMITTER: ALLAN T. SPONSELLER Signature: /Allan T. Sponseller, Reg. #38,318/ Date: 07/08/2014 Total Attachments: 12 source=338249.03 Executed Assignment#page1.tif source=338249.03 Executed Assignment#page2.tif source=338249.03 Executed Assignment#page3.tif source=338249.03 Executed Assignment#page4.tif source=338249.03 Executed Assignment#page5.tif source=338249.03 Executed Assignment#page6.tif source=338249.03 Executed Assignment#page7.tif source=338249.03 Executed Assignment#page8.tif source=338249.03 Executed Assignment#page9.tif source=338249.03 Executed Assignment#page10.tif source=338249.03 Executed Assignment#page11.tif source=338249.03 Executed Assignment#page12.tif RECEIPT INFORMATION EPAS ID: PAT2929748 07/08/2014 Receipt Date:

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PATENT ASSIGNMENT MS Docket No.: 338249.01

inventor of subject	matter ("INVENTION") ("ASSIGNING PRIORITIE	e original inventor or a disclosed and/or claime ES TO DATA FOR H	ed in a patent
ASSIGNE Departm Washing here in Applicati Office	E'S legal representatives ent, Microsoft Corporati ton 98052 (ASSIGNEE'S L parentheses (filed or ion No.	by the) this APPLI	ite Affairs Redmond, , to insert nd given following
	l on <u>March 14, 2013</u> and 445 by the following Off	was given Application No ice " <u>US</u> ";	0
successors and assig entire and exclusive ((and all other appli	ns ("ASSIGNEE"), is entit rights, title and interest cations and patents of for the United States,	Corporation, on behalf of led to, and is desirous of in the INVENTION and t lerived therefrom, such its territories, and all fo	of acquiring, the he APPLICATION as continuing
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Application No.	Filing Date	Office	1
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 338249.01

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	03/22/2013 Date
Mehmet lyigun	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Yevgeniy M. Bak</u> ("A inventor of subject matter application entitled " <u>ASSIC</u> ("APPLICATION"), which:	("INVENTION") disclosed	l inventor or an original joint and/or claimed in a patent DATA FOR HYBRID DRIVES"
ASSIGNEE'S lega Department, Mi Washington 980 here in parent Application Office	ASSIGNOR hereby aut I representatives, of the Lacrosoft Corporation, One Modern Corporation I SECTION CONTROL OF THE CONTROL O	aw and Corporate Affairs Microsoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
	ch 14, 2013 and was given by the following Office " <u>L</u>	
successors and assigns ("ASS entire and exclusive rights, t (and all other applications	IGNEE"), is entitled to, and the invite and interest in the INVite and patents derived the United States, its territor	on, on behalf of itself and its dis desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
ASSIGNOR hereby REPRESENTATIVES to insert following table for any APPLIC	the Application No., filin	g date, and Office into the
Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: <u>338249.01</u>

MS Docket No.: <u>338249.01</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	3/25/B Date
Yevgeniy M. Bak	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Eric M. Bluestein</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ASSIGNING PRIORITIES TO DATA FOR HYBRID DRIVES" ("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 14-MAR-2013 here in parentheses (filed on and given 13/830445 Application No. the following bν US Patent and Trademark Office 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

Page 1 of 2

MS Docket No.: 338249.01

MS Docket No.:	<u>338249.01</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	3/12/13 Date
Eric M. Bluestein	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of subject matter (•	•
Department, Micro Washington 9805 here in parenth Application No Office		v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
	n 14, 2013 and was given by the following Office "_!	
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 e and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
REPRESENTATIVES to insert the	ne Application No., filin	=
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Application No.	Filing Date	Office

Page 1 of 2

MS Docket No.: <u>338249.01</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);

MS Docket No.: <u>338249.01</u>

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	MS Docket No.: 338249.01
inventor of	rew M. Herron ("ASSIGNOR") am the original subject matter ("INVENTION") disclose entitled " <u>ASSIGNING PRIORITIES TO</u> ON"), which:	ed and/or claimed in a patent
	will be filed. ASSIGNOR hereby a ASSIGNEE'S legal representatives, of the Department, Microsoft Corporation, On Washington 98052 (ASSIGNEE'S LEGAL Filed in parentheses (filed on Application No Office Application No., filing date, and Office, where it is a second control of the parenthese of the par	e Law and Corporate Affairs e Microsoft Way, Redmond, REPRESENTATIVES), to insert and given by the following by this APPLICATION's
\boxtimes	was filed on March 14, 2013 and was gi	ven Application No
	13/830,445 by the following Office "US	n.

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	
7 Application 110.	Titing Date	Office	

Page 1 of 2

MS Docket No.: 338249.01

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	3/22/13 Date
Andrew M. Herron	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 338249.01

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	No <u>13/830,445</u>	$_$ by the following (Office " <u>US</u> ";		
successors a entire and ex (and all oth applications,	nd assigns ("ASSIO xclusive rights, tit ier applications	a Washington Cor GNEE"), is entitled le and interest in t and patents deriv United States, its	to, and is desi the INVENTION red therefrom,	irous of acquirin and the APPLIC , such as cont	ng, the ATION tinuing
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Page 1 of 2

MS Docket No.: <u>338249.01</u>

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Inventor's Signature	3/22/2013 Date
Xiaozhong Xing	
Printed Name in English	Printed Name in Native Language (if other than English)