503673557 02/01/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3720192

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN D. DAVIS	05/16/2013
PARIKSHIT GOPALAN	05/19/2013
MARK MANASSE	05/16/2013
KARIN STRAUSS	05/16/2013
SERGEY YEKHANIN	05/15/2013

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:	15011929

CORRESPONDENCE DATA

Fax Number: (425)707-9382

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: 4257079382

Email: STEVENSP@MICROSOFT.COM
Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	338624.03
NAME OF SUBMITTER:	DENISE R. MILES
SIGNATURE:	/Denise R. Miles/
DATE SIGNED:	02/01/2016

Total Attachments: 10

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PATENT REEL: 037632 FRAME: 0533

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PATENT REEL: 037632 FRAME: 0534

I John D. Davis ("ASSIGNOR") am the original inventor or an original joint

		and/or claimed in a patent BLOCKS USING CODEWORDS"
ASSIGNEE'S le Department, Washington S here in par Application	d. ASSIGNOR hereby autegal representatives, of the Landing Microsoft Corporation, One May 198052 (ASSIGNEE'S LEGAL REPrentheses (filed on	aw and Corporate Affairs Microsoft Way, Redmond, RESENTATIVES), to insert AY-2013 and given the following Office this APPLICATION's
☐ was filed on .	and was giver	Application No
***************************************	by the following Office ";	
successors and assigns (". entire and exclusive right: (and all other application	ASSIGNEE"), is entitled to, an s, title and interest in the IN' ons and patents derived th the United States, its territo	on, on behalf of itself and its d is desirous of acquiring, the VENTION and the APPLICATION serefrom, such as continuing ries, and all foreign countries
REPRESENTATIVES to inse	ert the Application No., fili	quests, ASSIGNEE'S LEGAL ng date, and Office into the
Application No.	PLICATION DERIVATIVES after to Filing Date	Office
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Page 1 of 2

MS Docket No.: <u>338624.01</u>

MS	Docket	No.:	338624.01
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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 in the INVENTION and the APPLICATION (and 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).

1102	5(16) CO13
Inventor's Signature	Date
John D. Davis	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 338624.01

I <u>Parikshit Gopalan</u> ("AS inventor of subject matter (' application entitled " <u>MESSAGE</u> ("APPLICATION"), which:	"INVENTION") disclosed	
ASSIGNEE'S legal in Department, Micro Washington 9805; here in parenth Application No.	TO	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert crosoft was and given the following Office this APPLICATION's
	and was given by the following Office	Application No
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"));	ONEE"), is entitled to, and e and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
REPRESENTATIVES to insert the	ne Application No., filin	
following table for any APPLICA		
Application No.	Filing Date	Office

Page 1 of 2

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);

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Parket	19 th May 2013
Inventor's Signature	Date
Parikshit Gopalan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338624.01

inventor of	subject matter (entitled " <u>MESSAGE</u>	"INVENTION") disclosed	inventor or an original joint and/or claimed in a patent BLOCKS USING CODEWORDS"
	ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No.	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPRESES (filed on 13/899553 by SPTO trilling date, and Office, whe	w and Corporate Affairs icrosoft Way, Redmond, tESENTATIVES), to insert 2013 and given the following Office his APPLICATION's
		and was given by the following Office	Application No
successors a entire and e (and all oth applications,	and assigns ("ASSIO xclusive rights, tit ner applications	GNEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
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Application N		Filing Date	Office
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Page 1 of 2

MS	Docket	No.:	338624.01

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);

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).

11/12	16 harrous		
Inventor's Signature	Date		
Mark Manasse			
Printed Name in English	Printed Name in Native Language		
	(if other than English)		

I <u>Karin Strauss</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>MESSAGE STORAGE IN MEMORY BLOCKS USING CODEWORDS</u>" ("APPLICATION"), which:

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	ASSI	GNE	E'S legal	repre	sentati	ves, o	f the I	_aw an	d Co	rporate	Affairs
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	Appl	icati	o <mark>n No.</mark> USPT		13/8995	53	by	the	follo	owing	Office
)	this		APPLICA	TION'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		
rippireation No.	Tilling Date	Office	
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Page 1 of 2

MS Docket No.: <u>338624.01</u>

MS Docket No.: <u>338624.01</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);

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).

Harin Strauss

Printed Name in English

Date

05/16/2013

Date

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338624.01

	-	_	inventor or an original joint
	_		and/or claimed in a patent
		STORAGE IN MEMORY	BLOCKS USING CODEWORDS"
("APPLICATIO	N"), which:		
	ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No.		w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given the following Office his APPLICATION's
	Application No., f	iling date, and Office, whe	n known;
		and was given by the following Office	Application No
successors a entire and ex (and all oth applications,	nd assigns ("ASSIO xclusive rights, tit ner applications	GNEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION refrom, such as continuing es, and all foreign countries
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following tab	le for any APPLICA	TION DERIVATIVES after th	ney are known;
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Page 1 of 2

INVENTION and the APPLICATION (and APPLICATION DERIVATIVES):

MS Docket No.: 338624.01

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

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

Sergey Yekhanin

Printed Name in English

<u>Мах 15, 2013</u> Date <u>Сергей Еханин</u>

Date

Printed Name in Native Language

(if other than English)