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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT3972285

CONVEYING PARTY DATA

Name	Execution Date
ANDRE MIGUEL COELHO DE OLIVEIRA RODRIGUES	07/18/2016
ILYA GREBNOV	07/20/2016
SUNAY VAISHNAV	07/20/2016
SAMUEL LENZ BANINA	07/20/2016

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:	15216027

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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: 248-641-1600 Email: sstevens@hdp.com

HARNESS, DICKEY & PIERCE, P.L.C. **Correspondent Name:**

Address Line 1: P.O. BOX 828

Address Line 4: **BLOOMFIELD HILLS, MICHIGAN 48303**

ATTORNEY DOCKET NUMBER: 98052-4/360099.01 NAME OF SUBMITTER: STEPHANIE STEVENS **SIGNATURE:** /Stephanie Stevens/ **DATE SIGNED:** 07/21/2016

Total Attachments: 8

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> **PATENT** REEL: 039213 FRAME: 0069 503925632



PATENT REEL: 039213 FRAME: 0070

claimed in a	patent application e	entitled "Systems and Me	thods for Event Aggregation to
Reduce Netw	ork Bandwidth and	Improve Network and A	Activity Feed Server Efficiency"
("APPLICATIO	N"), which:		
\boxtimes		ASSIGNOR hereby auth	
		representative, Microsoft	
	LLC, One Microsof	t Way, Redmond, Washin	gton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	
	on	and	given Application
	No	by	the following
	Office		
	Application No., fi	ling date, and Office, whe	en known;
	51. 1	ممينا ليسا	Application
لــا		and was given	
	No	by the following Offic	e.
		,	
behalf of it desirous of right of prio patents deri for the Ur DERIVATIVE	self and its succest acquiring, the entition in the INVENTIFIC ived therefrom, such ited. States, its to S"));	ssors and assigns ("ASS re and exclusive rights, to ON and the APPLICATION the as continuing application territories, and all fore authorizes, and rec	on limited liability company, on IGNEE"), is entitled to, and is title and interest, including the I (and all other applications and ons, in whole or in part, in and eign countries ("APPLICATION quests, ASSIGNEE'S LEGAL
REPRESENTA	ATIVES to insert t	he Application No., fili	ng date, and Office into the
following ta	ble for any APPLICA	TION DERIVATIVES after	they are known;
Application	No.	Filing Date	Office

I Andre Miguel Coelho de Oliveira Rodrigues ("ASSIGNOR") am the original

inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or

Page 1 of 2

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		i

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).

Andre Miguel Coelho de Oliveira Rodrigues

Printed Name in English

ANDREMIGNEL COELHO DE GENERA Printed Name in Native Language

ROPFIGORS

(if other than English)

Page 2 of 2

PATENT ASSIGNMENT

I llya Grebnov ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Systems and Methods for Event Aggregation to Reduce Network Bandwidth and Improve Network and Activity Feed Server Efficiency" ("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")); 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; Office Application No. Filing Date

Page 1 of 2

MS Docket No.: 360099.01

PATENT ASSIGNMENT

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).

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	0712012016
Inventor's Signature	Date
Ilya Grebnov	U usx Fredrob
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 360099.01

PATENT ASSIGNMENT

I <u>Sunay Vaishnav</u> ("ASS	GNOR") am the original	inventor or an original joint
inventor of subject matter ("INVENTION") disclosed	and/or claimed in a patent
application entitled "Systems a	and Methods for Event Ag	gregation to Reduce Network
Bandwidth and Improve Netwo which:	rk and Activity Feed Serve	er Efficiency" ("APPLICATION"),
ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT and given Applica	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here intion No	Technology Licensing, ston 98052 (ASSIGNEE'S n parentheses (filed on by the following Office
	and was given	
Microsoft Technology Liebehalf of itself and its succe desirous of acquiring, the entiright of priority, in the INVENTI patents derived therefrom, sucfor the United States, its DERIVATIVES"));	ssors and assigns ("ASSIG re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert t	he Application No., filin	g date, and Office into the
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office

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Page 1 of 2

MS Docket No.: <u>360099.01</u>

PATENTA	ASSIGNMENT	MS Docket No.:	360099.01

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).

trailes/	7/20/2016
Inventor's Signature	Date
Sunay Vaishnav	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 360099.01 I Samuel Lenz Banina ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Systems and Methods for Event Aggregation to Reduce Network Bandwidth and Improve Network and Activity Feed Server Efficiency" ("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")); 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

PATENT ASSIGNMENT	MS Docket No.:	360099.01
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DATENT ASSIGNMENT

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).

Samul L. Bamina Inventor's Signature	7/20/2016 Date
Samuel Lenz Banina	
Printed Name in English	Printed Name in Native Language (if other than English)