504213826 02/06/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4260503

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NARENDRA BABU ALAGIRISWAMY	01/23/2017
NICHOLAS J. NEHRHOOD	01/25/2017
NAGARAJU PALLA	02/02/2017
RAGHAVENDRA BHUTHPUR	01/23/2017
NAGARAJ PATIL	01/23/2017
RICARDO S. STERN	02/03/2017

RECEIVING PARTY DATA

Name:	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:	15425027

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: 425-707-9382

Email: sgreenfield@khcip.com

MICROSOFT CORPORATION **Correspondent Name:**

ONE MICROSOFT WAY Address Line 1:

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	400900-US-NP
NAME OF SUBMITTER:	SUSAN GREENFIELD
SIGNATURE:	/Susan Greenfield/
DATE SIGNED:	02/06/2017

PATENT REEL: 041179 FRAME: 0435

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Total Attachments: 12 source=400900-US-NP_Assignment#page1.tif source=400900-US-NP_Assignment#page2.tif source=400900-US-NP_Assignment#page3.tif source=400900-US-NP_Assignment#page4.tif source=400900-US-NP_Assignment#page5.tif source=400900-US-NP_Assignment#page6.tif source=400900-US-NP_Assignment#page7.tif source=400900-US-NP_Assignment#page8.tif source=400900-US-NP_Assignment#page9.tif source=400900-US-NP_Assignment#page10.tif source=400900-US-NP_Assignment#page11.tif source=400900-US-NP_Assignment#page11.tif

PATENT REEL: 041179 FRAME: 0436

ım the original inventor or an original

MS Docket No.: 400900-US-NP

I Narendra Babu Alagiriswamy ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER" ("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 <u>US - United States Patent and Trademark Office</u>) 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 AS	SIGNMENT MS	S Docket No.:	400900-US-NP
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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, 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"));

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Na	1/23/2017
Inventor's Signature	Date
Narendra Babu Alagiriswamy	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Nicholas J. Nehrhood</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>OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNOR	hereby	authoria	zes,	and	requ	uests,
	ASSI	GNEE	E'S legal	representat	ive, Micr	osoft Te	chnol	logy I	_icer	nsing,
	LLC.,	, One	Microsc	oft Way, Redr	nond, Wa	ashingtor	า 980	52 (A	SSIG	NEE'S
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Application No.	Filing Date	Office	

Page 1 of 2

MS Docket No.: 400900-US-NP

MS Docket No.: 400900-US-NP

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"));

Mul	01-25-2017
Inventor's Signature	Date
Nicholas J. Nehrhood	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>400900-US-NP</u>

I <u>Nagaraju Palla</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>OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER</u>" ("APPLICATION"), which:

\boxtimes	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
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	the following Office <u>US - United States Patent and Trademark Office</u>
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PATENT ASSIGNMENT	MS Docket No.: 400900-US-NI

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Againt	2/2/2017
Inventor's Signature	Date
Nagaraju Palla	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>400900-US-NP</u>

I <u>Raghavendra Bhuthpur</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>OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER</u>" ("APPLICATION"), which:

\boxtimes	will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests,
	ASSI	GNE	E'S legal	representat	ive, Micr	osoft Ted	hnology	Licensing,
	LLC.	, One	e Micros	oft Way, Redi	nond, Wa	ashington	98052 (A	ASSIGNEE'S
	LEGA	AL R	EPRESEN	ITATIVES), to	o insert	here in	parenthe	eses (filed
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Pash !	01/23/2017
Inventor's Signature	Date
Raghavendra Bhuthpur	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 400900-US-NP

I <u>Nagaraj Patil</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>OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER</u>" ("APPLICATION"), which:

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	ASSIGNEE	'S legal	representat	ive, Micr	osoft Te	chno	logy	Lice	nsing,
	LLC., One	Microso	ft Way, Redi	mond, Wa	ashingtor	1 980	52 (A	SSIG	NEE'S
	LEGAL RE	PRESEN	TATIVES), to	o insert	here in	par	enthe	ses	(filed
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	the follow	ing Offic	e <u>US - Unite</u>	d States	Patent an	id Tra	<u>idema</u>	ark C	Office)
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MS Docket No.: 400900-US-NP

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- Waget	23 rd Jan 2017
Inventor's Signature	Date
Nagaraj Patil	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>400900-US-NP</u>

I <u>Ricardo S. Stern</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>OBJECT ORIENTED DATA TRACKING ON CLIENT AND REMOTE SERVER</u>" ("APPLICATION"), which:

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MS Docket No.: 400900-US-NP

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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).

Gros Tim

Inventor's Signature

Date

Ricardo S. Stern

Printed Name in English

Printed Name in Native Language

(if other than English)

2-5-2017