## 503733971 03/11/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3780613

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALVARO DIAS	03/10/2016
BRAD OLENICK	02/09/2016
JULIO CASAL TERREROS	02/10/2016
MARCK ROBINSON	03/11/2016
MADHUR JOSHI	03/10/2016
YU ZHAO	02/10/2016
VINELA POTHINENI	03/11/2016
WISSAM ZEIDAN	03/11/2016

#### **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:	15040188

#### **CORRESPONDENCE DATA**

**Fax Number:** (425)401-5199

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: 2065698198
Email: jim@liangip.com
Correspondent Name: CHEN LIANG

Address Line 1:14410 BEL-RED ROAD, SUITE 120Address Line 4:BELLEVUE, WASHINGTON 98007

ATTORNEY DOCKET NUMBER:	358655.02
NAME OF SUBMITTER:	CHEN LIANG
SIGNATURE:	/Chen Liang/

PATENT REEL: 037960 FRAME: 0176

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DATE SIGNED:	03/11/2016
Total Attachments: 16	
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PATENT REEL: 037960 FRAME: 0177

	PATENT	ASSIGNMENT	MS D	ocket No.:	358655.02
I	Alvaro Dias		("ASSI	GNOR") am	the origina
claimed in	an original joint ir a patent applica <u>SYSTEMS</u> " ("APPLI	oventor of subject tion entitled " <u>D</u>	t matter ("INVEN" ISTRIBUTED EXT	ΓΙΟΝ") discl	osed and/o
	will be filed.	ASSIGNOR he	reby authorizes,	and req	uests,
		oft Way, Redmon NTATIVES), to inand given Office	d, Washington 98 isert here in pa Application No	3052 (ASSIG arentheses	NEE'S (filed by this
X	was filed on <u>Febr</u>	ruary 10, 2016 a	nd was given App	lication	
	No <u>15/040,18</u> " <u>USPT</u>	8 O		Office	
behalf of itse of acquiring priority, in the derived ther United States ASSIG to insert the	soft Technology Lelf and its successor, the entire and enter and enter in the INVENTION and efrom, such as cost, its territories, and INOR hereby authors Application No., INDERIVATIVES after	ors and assigns ("exclusive rights, I the APPLICATIO intinuing applicand all foreign countizes, and reque filing date, and	ASSIGNEE"), is entitle and interest N (and all other actions, in whole or intries ("APPLICAT Sts, ASSIGNEE'S LI	citled to, and, including pplications in part, in TION DERIVA	d is desirous the right of and patents and for the ATIVES"));
Application		Filing Date	Offic	e	

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).

Qie	March 10, 2016
nyentor's Signature	Date
Alvaro Dias	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 358655.02

	PATENT A	SSIGNMENT	MS Docket No.: 358655.	J∠ —
1 1	3rad Oleni <u>ck</u>		("ASSIGNOR") am the origin	al
inventor or a claimed in	an original joint inv	entor of subject ma on entitled " <u>DISTR</u>	tter ("INVENTION") disclosed and/o IBUTED EXTENSION EXECUTION I	or
X	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on the following O	representative, Mic ft Way, Redmond, W TATIVES), to insert and given Appl office	authorizes, and requests, rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed ication No	
	was filed on	and was	given Application	
		by the following		
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behalf of its of acquiring priority, in t derived their	elf and its successor g, the entire and ex the INVENTION and refrom, such as con	's and assigns ("ASSI clusive rights, title the APPLICATION (a itinuing application	nington limited liability company, of IGNEE"), is entitled to, and is desiron and interest, including the right all other applications and patents, in whole or in part, in and for the compact of the co	us of its he
to insert th	SNOR hereby author e Application No., N DERIVATIVES afte	filing date, and Of	ASSIGNEE'S LEGAL REPRESENTATIV fice into the following table for a	ES ny
Application		Filing Date	Office	
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MS Docket No.: 355658.02

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"));

Brd 19_2	2/9/2016
Inventor's Signature	Date
Brad Olenick	
Printed Name in English	Printed Name in Native Language
	(if other than English)

## MS Docket No.: 358655.02 PATENT ASSIGNMENT I Julio Casal Terreros ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED EXTENSION EXECUTION IN COMPUTING SYSTEMS" ("APPLICATION"), which: X 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 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:

•	Filing Date	

MS Docket No.: 358655.02

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"));

- Chi Frank	2/10/2016
Inventor's Signature	Date
Julio Casal Terreros	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 358655.02 I Marck Robinson ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DISTRIBUTED EXTENSION EXECUTION IN COMPUTING SYSTEMS" ("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 February 10, 2016 and was given Application No 15/040,188 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; Filing Date Office Application No.

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).

	3/11/2016
Inventor's Signature	Date
Marck Robinson	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 358655.02

## PATENT ASSIGNMENT MS Docket No.: <u>358655.02</u>

I Madhur Joshi		("ASSIGNOR") am the original
inventor or an original joint invectaimed in a patent application COMPUTING SYSTEMS" ("APPLICA	entor of subject matter ("li on entitled " <u>DISTRIBUTED</u>	NVENTION") disclosed and/or
$\square$ will be filed. ASSIGN	IOR hereby authorizes, an	d requests,
LLC., One Microsof LEGAL REPRESENTA and given Applicat ) this	representative, Microsoft t Way, Redmond, Washing ATIVES), to insert here in ion No.	ton 98052 (ASSIGNEE'S parentheses (filed on by the following Office
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	by the follo ;	owing Office "
Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and exc priority, in the INVENTION and the derived therefrom, such as cont United States, its territories, and	s and assigns ("ASSIGNEE") clusive rights, title and in ne APPLICATION (and all o inuing applications, in wh	terest, including the right of other applications and patents nole or in part, in and for the
ASSIGNOR hereby authorize to insert the Application No., fi	•	EE'S LEGAL REPRESENTATIVES
APPLICATION DERIVATIVES after		The following table for any
Application No.	Filing Date	Office
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PATENT REEL: 037960 FRAME: 0186

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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).

	March 10, 2016
Inventor's Signature	Date
Madhur lachi	
Madhur Joshi	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT REEL: 037960 FRAME: 0187

MS Docket No.: <u>358655.02</u>

PA	TENT ASSIGNMENT	MS Docket No.: <u>358655.02</u>
	oint inventor of subject m pplication entitled " <u>DIST</u>	("ASSIGNOR") am the origina atter ("INVENTION") disclosed and/o RIBUTED EXTENSION EXECUTION IN
LLC., One I LEGAL REI on the follow APPLICATIO	S legal representative, Microsoft Way, Redmond, VPRESENTATIVES), to inser and given App ving Office	vauthorizes, and requests, crosoft Technology Licensing, Vashington 98052 (ASSIGNEE'S there in parentheses (filed lication No
	10,188 by t	the following Office
behalf of itself and its such of acquiring, the entire priority, in the INVENTIO derived therefrom, such Inited States, its territor ASSIGNOR hereby	ccessors and assigns ("ASSI and exclusive rights, title N and the APPLICATION (and as continuing applications es, and all foreign countric authorizes, and requests, and No., filing date, and Off	hington limited liability company, on GNEE"), is entitled to, and is desirous and interest, including the right of all other applications and patents, in whole or in part, in and for the es ("APPLICATION DERIVATIVES"));  ASSIGNEE'S LEGAL REPRESENTATIVES ice into the following table for any
Application No.	Filing Date	Office

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).

赵雨	Feb -10, 2016
Inventor's Signature	Date
Yu Zhao	<b>赴</b> 雨
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 358655.02

		PATENT A	ASSIGNMENT	MS I	Docket No.:	358655.02
	Vinela	Pothineni			("ASSIGNO	R") am the
original inve and/or clain	entor or ned in a	an original patent app	joint inventor a	f subject matter " <u>DISTRIBUTED E</u>	· ("INVENTION	ง") disclosed
	will t	e filed.	ASSIGNOR he	reby authorize:	s, and requ	Jests,
	LLC., ( LEGAL on the f	One Microso REPRESEN  following C	oft Way, Redmon TATIVES), to in and given Office	Microsoft Tech id, Washington S isert here in p Application No.	98052 (ASSIG parentheses	NEE'S (filed by this
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MS Docket No.: 358655.02

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"));

Justin	3/11/16
Inventor's Signature	Date
Vinela Pothineni	विभीता वैतिनेनी
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT	ASSIGNMEN I	MS Docket No.: 3586	55.02
l	Wissam Zeidan		("ASSIGNOR") an	n the
and/or claim		l joint inventor of sub Dication entitled " <u>DIS</u>	bject matter ("INVENTION") disc TRIBUTED EXTENSION EXECUTI	closed
	will be filed.	ASSIGNOR hereby	authorizes, and requests,	
	LLC., One Microso LEGAL REPRESEN on the following	oft Way, Redmond, W ITATIVES), to insert and given Appl Office	rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed ication No	
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to insert the	Application No.,		ASSIGNEE'S LEGAL REPRESENTA ice into the following table fo	
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MS Docket No.: 358655.02

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"));

<u></u>	
Inventor's Signature	3/11/2016 Date
Wissam Zeidan	
Printed Name in English	Printed Name in Native Language
	(if other than English)