### 503610863 12/14/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3657494

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the DATE IN WHICH INVENTOR CHRISTOPHER DOAN EXECUTED THE AFOREMENTIONED ASSIGNMENT previously recorded on Reel 034636 Frame 0083. Assignor(s) hereby confirms the CORRECT EXECUTION DATE OF THE AFOREMENTIONED ASSIGNMENT BY INVENTOR CHRISTOPHER DOAN SHOULD BE 12/10/2014, NOT 12/12/2014.

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTOPHER DOAN	12/10/2014
MIRON VRANJES	12/11/2014
CHAITANYA DEV SAREEN	01/02/2015
LAVANYA VASUDEVAN	12/12/2014

#### **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:	14589609		

#### 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.

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ATTORNEY DOCKET NUMBER:	355977.01
NAME OF SUBMITTER:	DANIEL T. MCGINNITY
SIGNATURE:	/Daniel T. McGinnity,#55444/

PATENT REEL: 037289 FRAME: 0533

503610863

DATE SIGNED:	12/14/2015
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PATENT REEL: 037289 FRAME: 0534



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### 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		
CHRISTOPHER DOAN	12/12/2014		
MIRON VRANJES	12/11/2014		
CHAITANYA DEV SAREEN	01/02/2015		
LAVANYA VASUDEVAN	12/12/2014		

#### RECEIVING PARTY DATA

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Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

#### PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14589609		

**PATENT** 

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### **CORRESPONDENCE DATA**

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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 NUMBER:

355977.01

NAME OF SUBMITTER:

DANIEL T. MCGINNITY, REG# 55,444

Signature:

/Daniel T. McGinnity,#55,444/

Date:

01/05/2015

#### **Total Attachments: 8**

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PATENT

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# PATENT ASSIGNMENT MS Docket No.: 355977.01

inventor of	subject matter ("		inventor or an original joint nd/or claimed in a patent APPLICATION"), which:
	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on January 5, 2015 the following Office	ASSIGNOR hereby authorepresentative, Microsoft it Way, Redmond, Washing ATIVES), to insert here and given Application e US	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. <u>14/589,609</u> by ) this
	was filed on	and was given A	application
		by the following Office	
	"		
of acquiring priority, in the derived ther	, the entire and exc he INVENTION and t efrom, such as cont	clusive rights, title and in he APPLICATION (and all o inuing applications, in wh	is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	e Application No., f	iling date, and Office into	the following table for any
	N DERIVATIVES after		
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, 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).

Matthe.	DEC 10,2014
Inventor's Signature	Date
Christopher Doan	
Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT MS Docket No.: 355977.01

	tter ("INVE	NTION")	disclosed a	nd/or cla	imed in a	_	nal joint inventor plication entitled
	will be ASSIGNEE LLC., One LEGAL RE on January the follow	filed. 'S legal Microsof PRESENT 7 5, 2015 Ving Offic	ASSIGNOR representat ft Way, Redr ATIVES), to and give ee plication No	hereby ive, Micr nond, Wa o insert ven Appli US	authoriz cosoft Tec ashington here in cation No	chnology 98052 (A parenthe . <u>14/589,6</u>	Licensing, ASSIGNEE'S eses (filed 609 by ) this
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to insert the	Application	on No., f	iling date,	and Offi	ce into th	ne followi	EPRESENTATIVES ng table for any
APPLICATION Application		VES after	they are kr Filing Date			ffice	

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Inventor's Signature

Miron Vranjes

Printed Name in English

Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT MS Docket No.: 355977.01

inventor of	subject matter ("	· · · · · · · · · · · · · · · · · · ·	al inventor or an original joint nd/or claimed in a patent APPLICATION"), which:
	ASSIGNEE'S legal in LLC., One Microsoft LEGAL REPRESENT on January 5, 2015 the following Office	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washing (ATIVES), to insert here and given Application e US	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No. 14/589,609 by ) this
	was filed on	and was given A	application
		by the following Office	, pp. 1. doi:10.11
	"		
behalf of itse of acquiring priority, in the derived there	elf and its successors, the entire and exc ne INVENTION and t efrom, such as cont	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	iling date, and Office into	the following table for any
APPLICATION	N DERIVATIVES after	they are known;	
Application	<u>No.</u>	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"));

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Aut /	1/2/15	
Inventor's Manature	Date	
Chaitanya Dev Sareen		
Printed Name in English	Printed Name in Native Language (if other than English)	

ASSIGNEE'S legal r	epresentative, Microsoft Technology Lice	nsing,
LLC., One Microsoft	: Way, Redmond, Washington 98052 (ASSIC	NEE'S
	ATIVES), to insert here in parentheses $\underline{}$ and given Application No. $\underline{14/589,609}$	
the following Office	3 US	) this
APPLICATION'S App	llication No., filing date, and Office, when k	nown;
was filed on	and was given Application	
No	by the following Office	
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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
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MS Docket No.: 355977.01

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Laan	12/12/2014
Inventor's Signature	Date
Lavanya Vasudevan	
Printed Name in English	Printed Name in Native Language
	(if other than English)