# 505572825 07/16/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5619623

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
VINCENT Y. CELIE		09/26/2011
NIELS VAN DONGEN		09/12/2011
IAN ROBERT TOAL		09/12/2011
RYAN M. CAVALCANTE		09/12/2011
TIMOTHY ANDREW MCADOO		09/12/2011
SOONIL J. NAGARKAR		09/12/2011
BENNETT HORNBOSTEL		09/15/2011
TAREK MAHMOUD SAYED		09/12/2011
GERARDO VILLARREAL GUZMA	AN	09/12/2011

#### **RECEIVING PARTY DATA**

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052-6399

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15658167

#### 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.

Phone:	2028	576000
Email:	pater	ntdocket@arentfox.com, usdocket@microsoft.com
Correspondent Name:	AREI	NT FOX LLP
Address Line 1:	1717	K STREET, NW
Address Line 4:	WAS	HINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER	:	037834.00666/334046-USCNT

DAVID M. NOONAN

NAME OF SUBMITTER:

SIGNATURE:	/David M. Noonan/
DATE SIGNED:	07/16/2019
Total Attachments: 29	
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### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVE	YANCE: ASSIGNMENT			
CONVEYING PARTY	DATA			
		Name	Execution Date	
Vincent Y. Celie			09/26/2011	
Niels van Dongen			09/12/2011	
lan Robert Toal			09/12/2011	
Ryan M. Cavalcante			09/12/2011	
Timothy Andrew McA	doo		09/12/2011	
Soonil J. Nagarkar			09/12/2011	
Bennett Hornbostel			09/15/2011	
Tarek Mahmoud Say	ed		09/12/2011	
Gerardo Villarreal Gu	Izman		09/12/2011	
State/Country: Postal Code:	WA 98052-6399			
PROPERTY NUMBER				
Property Ty		Numl	her	
Property Type   Application Number: 13230566		13230566		
CORRESPONDENCE	E DATA			
Fax Number:	(509)944	I-4692		
Phone:	509-324			
Email:		leehayes.com		
Correspondence will l via US Mail.	be sent to the e	-mail address first; if that is unsuccess	ful, it will be sent	
Correspondent Name		ayes, PLLC		
Address Line 1:		Riverside Ave, Suite 1400		
Address Line 4:	Spokane	, WASHINGTON 99201	PATENT	
501674821			REEL: 026984 FRAME: 0365 PATENT	ŀ

PATENT REEL: 049761 FRAME: 0683

ATTORNEY DOCKET NUMBER:	MS1-5210US
NAME OF SUBMITTER:	Lynne Mahan
Total Attachments: 27	
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PATENT REEL: 026984 FRAME: 0366 PATENT REEL: 049761 FRAME: 0684

X will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS hereby authorize, and request, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 22801, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_\_) this APPLICATION's Application No. and filing date, when known; was filed on <u>9/12/20/</u>land was given Application No. 13 239566



is filed concurrently herewith;

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"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

/Vincent Y. Celie/	9/2 <u>6/2011</u>
Inventor's Signature	Date
Vincent Y. Celie	Vincent Y. Célié
Printed Name in English	Printed Name in Native Language (if
	other than English)

nventor's Signature	Date
Niels van Dongen	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
lan Robert Toal	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Ryan M. Cavalcante	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Timothy Andrew McAdoo	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Soonil J. Nagarkar	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Bennett Hornbostel	
Printed Name in English	Printed Name in Native Language (if
	other than English)

Inventor's Signature	Date
Tarek Mahmoud Sayed	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Gerardo Villarreal Guzman	
Printed Name in English	Printed Name in Native Language (if other than English)

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- was filed on <u>September 12, 2011</u> and was given Application No. <u>13/230,566;</u>
  - is filed concurrently herewith;

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nventor's Signature	Date
Vincent Y. Celie	
Printed Name in English	Printed Name in Native Language (if
rinica nancin English	J

## PATENT ASSIGNMENT MS Docket No.: 334046.01 Attorney Docket No.: MS1-5210US

At	9/12/2011
Inventor's Signature	Date
Niels van Dongen	
Printed Name in English	Printed Name in Native Language (if
	other than English)
Inventor's Signature	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Inventor's Signature	Date
Inventor's Signature Ryan M. Cavalcante	Date
Inventor's Signature Ryan M. Cavalcante Printed Name in English	
Ryan M. Cavalcante	Date Printed Name in Native Language (if other than English)
Ryan M. Cavalcante	Printed Name in Native Language (if
Ryan M. Cavalcante	Printed Name in Native Language (if
Ryan M. Cavalcante Printed Name in English Inventor's Signature	Printed Name in Native Language (if
Ryan M. Cavalcante Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Soonil J. Nagarkar	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Bennett Hornbostel	
Printed Name in English	Printed Name in Native Language (if other than English)

nventor's Signature	Date
Tarek Mahmoud Sayed	
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Inventor's Signature	Date
Vincent <u>Y. Celie</u>	
Printed Name in English	Printed Name in Native Language (if
	other than English)

nventor's Signature	Date
Piels Neils van Dongen	
Printed Name in English	Printed Name in Native Language (if
	other than English)

/Ian Robert Toal/	September 12, 2011
Inventor's Signature	Date
Ian Robert Toal	
Printed Name in English	Printed Name in Native Language (if

Inventor's Signature	Date
Ryan M. Cavalcante	
Printed Name in English	Printed Name in Native Language (if other than English)

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Timothy Andrew McAdoo	
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Defineterioriboster	
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nventor's Signature	Date
Vels Veils van Dongen	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature Robert Ian Toal	Date
Printed Name in English	Printed Name in Native Language (if other than English)

/Ryan M. Cavalcante/	9/12/2011
Inventor's Signature	Date
Ryan M. Cavalcante	
Printed Name in English	Printed Name in Native Language (if other than English)

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Timothy A. McAdoo	
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Inventor's Signature	Date
Bennett Hornbostel	
Printed Name in English	Printed Name in Native Language (if
Printed Name in English	rinted Name in Native Language (ii

Inventor's Signature	Date
Tarek Mahmoud Sayed	
Printed Name in English	Printed Name in Native Language (if
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Niels Neils van Dongen	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's SignatureDateIan ToalPrinted Name in EnglishPrinted Name in EnglishPrinted Name in Native Language (if<br/>other than English)

nventor's Signature	Date
Ryan M. Cavalcante	
Printed Name in English	Printed Name in Native Language (if other than English)

mothy Andrew McAdoo/	September 12, 2011
Inventor's Signature	Date
Timothy Andrew McAdoo	

Page 2 of **4**3

Inventor's Signature	Date
Soonil J. Nagarkar	
Printed Name in English	Printed Name in Native Language (if
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lan Robert Toal	
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## PATENT ASSIGNMENT MS Docket No.: <u>334046.01</u> Attorney Docket No.: MS1–5210US

/Soonil J. Nagarkar/	9/12/2011
Inventor's Signature	Date
Soonil J. Nagarkar	

Inventor's Signature	Date
Bennett Hornbostel	
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#### MS Docket No.: <u>334046.01</u> PATENT ASSIGNMENT Attorney Docket No.: MS1-5210US

nventor's Signature	Date
Soonil J. Nagarkar	
Printed Name in English	Printed Name in Native Language (if other than English)

Hao -

Inventor's Signature

Bennett Hornbostel

Printed Name in English

9/15/11

Date

Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Tarek Mahmoud Sayed	
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Niels van Dongen	
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Ryan M. Cavalcante	
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Bennett Hornbostel	
Bennett Hornbostel Printed Name in English	Printed Name in Native Language (if

Tarek Mahmoud Sayed/	September 12, 2011
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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"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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