## 503857799 06/06/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3904448

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BLAKE R. HUTCHINSON	05/31/2016
JESSE SHI-YUAN OU	05/31/2016
AMBROSE Y.W. LEUNG	05/31/2016
BRANDON A. CHALK	05/27/2016
ROBERT J. MOONEY III	06/02/2016

### **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:	15171869

### **CORRESPONDENCE DATA**

**Fax Number:** (509)755-7252

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:** 509-755-7262

Email: usdocket@microsoft.com

Correspondent Name: WOLFE-SBMC
Address Line 1: 601 W MAIN AVE

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

Total Attackments 40	
DATE SIGNED:	06/06/2016
SIGNATURE:	/Allan T. Sponseller, Reg. #38,318/
NAME OF SUBMITTER:	ALLAN T. SPONSELLER
ATTORNEY DOCKET NUMBER:	359448.01

Total Attachments: 10

PATENT REEL: 038820 FRAME: 0652

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PATENT REEL: 038820 FRAME: 0653

	PATENT	ASSIGNMENT	MS Docket No.: 359448.01
inventor of	subject matter	("INVENTION") disclo	original inventor or an original join osed and/or claimed in a paten <u>in An Environment</u> " ("APPLICATION")
	ASSIGNEE'S lega LLC., One Micros LEGAL REPRESEN on the following	I representative, Micooft Way, Redmond, W VTATIVES), to insert and given Appl Office	authorizes, and requests, rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed ication No
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behalf of itse of acquiring priority, in the derived there United States ASSIG	elf and its successon, the entire and entire and entire and entire and entire in an order of the entire of the ent	ors and assigns ("ASSI exclusive rights, title I the APPLICATION (ar intinuing applications and all foreign countri prizes, and requests,	nington limited liability company, or GNEE"), is entitled to, and is desirou and interest, including the right on all other applications and patent in whole or in part, in and for the es ("APPLICATION DERIVATIVES"));  ASSIGNEE'S LEGAL REPRESENTATIVE
		filing date, and Off er they are known;	ice into the following table for an
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).

	5/31/2016
Înventor's Signature	Date
Blake R. Hutchinson	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 359448.01

inventor of	subject matter entitled " <u>Princ</u>	ASSIGNOR") am the c ("INVENTION") disclo tipal Access Dete	osed and/or cla	imed in a patent
	ASSIGNEE'S legal LLC., One Micros LEGAL REPRESEN on the following	ASSIGNOR hereby I representative, Micro oft Way, Redmond, W ITATIVES), to insertand given Appli Office pplication No., filing o	rosoft Technolog ashington 98052 here in parent ication No.	gy Licensing, (ASSIGNEE'S theses (filedby) this
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	May 31, 2016
Inventor's Signature	Date
Jesse Shi-Yuan Ou	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	FAIENI	ASSIGNMEN I	MP DOCKEL NOT	229448.01
inventor of	subject matter	("INVENTION") disclo	original inventor or an sed and/or claimed <u>In An Environment</u> " ("A	in a patent
Ø	ASSIGNEE'S legal LLC., One Micros LEGAL REPRESEN on the following	representative, Miconoft Way, Redmond, WITATIVES), to inserted and given Appl	authorizes, and re rosoft Technology Lic ashington 98052 (ASSI here in parentheses ication No date, and Office, when	ensing, GNEE'S (filed by ) this
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behalf of itse of acquiring priority, in tl derived ther	elf and its successon, the entire and entered and entered and entered and efform, such as co	ors and assigns ("ASSI exclusive rights, title the APPLICATION (and antinuing applications	nington limited liability GNEE"), is entitled to, a and interest, including and all other application of in whole or in part, as ("APPLICATION DERI	nd is desirous g the right of is and patents in and for the
to insert the	e Application No.,		ASSIGNEE'S LEGAL REPI	
Application		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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Inventor's Signature Date

Ambrose Y.W. Leung
Printed Name in English Printed Name in Native Language
(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 359448.01

l Bra	<u>ndon A. Chalk</u> ("/	ASSIGNOR") am the c	original inventor or	an original joint
		("INVENTION") discl		
		<u>cipal Access Dete</u>		
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		UK		
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priority, in the derived there	ne INVENTION and efrom, such as co	exclusive rights, title d the APPLICATION (a ontinuing application: nd all foreign countri	nd all other applica s, in whole or in pa	tions and patents art, in and for the
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Application		Filing Date	Office	
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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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Inventor's Signature Date

Brandon A. Chalk

Printed Name in English Printed Name In Native Language (if other than English)

# PATENT ASSIGNMENT MS Docket No.: 359448.01

	IAILNIA		VIS DOCKET NO.: <u>339448.01</u>			
I <u>Rob</u>	ert J. Mooney, III ("A	ASSIGNOR") am the origina	l inventor or an original joint			
inventor of	subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent			
application	entitled " <u>Princip</u>	al Access Determination	<u>on In An Environment"</u>			
("APPLICATION"), which:						
$\boxtimes$	will be filed.	ASSIGNOR hereby autho	rizes, 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					
		and given Application	•			
	the following Of					
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	was filed on	and was given A	pplication			
	No by the following Office					
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	<u> </u>	<u> </u>	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"));						
ASSIG	NOR hereby authori:	zes, and requests, ASSIGNI	EE'S LEGAL REPRESENTATIVES			
to insert the Application No., filing date, and Office into the following table for any						
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Application		Filing Date	Office			
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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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Signature	2016-06-02 Date
Robert J. Mooney, III	
Printed Name in English	Printed Name in Native Language
	(if other than English)