504871333 04/16/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the INVENTOR NAMES, PROBERT AND KINSHUMANN previously recorded on Reel 042832 Frame 0464. Assignor(s) hereby confirms the CORRECTIVE ASSIGNMENT FOR APPLICATION NO. 15582741.

CONVEYING PARTY DATA

Name	Execution Date
DAVID B. PROBERT	04/09/2018
KINSHUMANN KINSHUMANN	04/07/2018
HARI R. PULAPAKA	05/01/2017
BENJAMIN M. SCHULTZ	05/15/2017
MARGARIT SIMEONOV CHENCHEV	05/01/2017
DAVID JOHN LINSLEY	05/04/2017
CHARLES GLENN JEFFRIES	05/16/2017
GIRIDHAR VISWANATHAN	05/15/2017
SCOTT DANIEL ANDERSON	05/31/2017
FREDERICK J. SMITH	06/04/2017
JIANMING ZHOU	06/14/2017

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:	15582741

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: 425-707-9382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

504871333 REEL: 045953 FRAME: 0630

PATENT

EPAS ID: PAT4918073

Address Line 4:	Line 4: REDMOND, WASHINGTON 98052	
ATTORNEY DOCKET NUMBER:	401935-US-NP	
NAME OF SUBMITTER:	JAMES STROM	
SIGNATURE:	/James Strom/	
DATE SIGNED: 04/16/2018		
Total Attachments: 24		
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source=401935-US NP Corrected-KINSHUMANN-Assignment#page2.tif source=401935-US-NP_Corrected-PROBERT-Assignment#page1.tif source=401935-US-NP Corrected-PROBERT-Assignment#page2.tif source=401935-US-NP EPAS RECEIPT 06-15-2017#page1.tif source=401935-US-NP EPAS RECEIPT 06-15-2017#page2.tif source=401935-US_NP_JEFFRIES-Assignment#page1.tif source=401935-US NP JEFFRIES-Assignment#page2.tif source=401935-US_NP_VISWANATHAN-Assignment#page1.tif source=401935-US NP VISWANATHAN-Assignment#page2.tif source=401935-US-NP CHENCHEV-Assignment#page1.tif source=401935-US-NP CHENCHEV-Assignment#page2.tif source=401935-US-NP_JianMingZhou-Assignment#page1.tif source=401935-US-NP JianMingZhou-Assignment#page2.tif source=401935-US-NP LINSLEY-Assignment#page1.tif source=401935-US-NP_LINSLEY-Assignment#page2.tif source=401935-US-NP_PULAPAKA-Assignment#page1.tif source=401935-US-NP_PULAPAKA-Assignment#page2.tif source=401935-US-NP SCHULTZ-Assignment#page1.tif source=401935-US-NP_SCHULTZ-Assignment#page2.tif source=401935-US-NP SMITH-Assignment#page1.tif source=401935-US-NP SMITH-Assignment#page2.tif source=401935-US-NP-ANDERSON-Assignment#page1.tif source=401935-US-NP-ANDERSON-Assignment#page2.tif

> PATENT REEL: 045953 FRAME: 0631

Assignment Page 1 of 2

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
CHARLES GLENN JEFFRIES	05/16/2017
KINSHUMANN KINSHUMANN	05/05/2017
GIRIDHAR VISWANATHAN	05/15/2017
MARGARIT SIMEONOV CHENCHEV	05/01/2017
ЛANMING ZHOU	06/14/2017
DAVID JOHN LINSLEY	05/04/2017
DAVE PROBERT	05/01/2017
HARI R. PULAPAKA	05/01/2017
BENJAMIN M. SCHULTZ	05/01/2017
FREDERICK J. SMITH	06/04/2017
SCOTT DANIEL ANDERSON	05/31/2017

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
	15582741

CORRESPONDENCE DATA

Fax Number:

Email: usdocket@microsoft.com

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:
 MICROSOFT CORPORATION

 Address Line 1:
 ONE MICROSOFT WAY

 Address Line 4:
 REDMOND, WASHINGTON
 98052

ATTORNEY DOCKET

NUMBER:

401935-US-NP

Page 2 of 2 Assignment

NAME OF SUBMITTER:	JAMES STROM
Signature:	/James Strom/
Date: 06/15/2017	
Total Attachmenta 22	

Total Attachments: 22 source=401935-US NP JEFFRIES-Assignment#page1.tif source=401935-US NP JEFFRIES-Assignment#page2.tif source=401935-US_NP_KINSHUMANN-Assignment#page1.tif source=401935-US NP KINSHUMANN-Assignment#page2.tif source=401935-US_NP_VISWANATHAN-Assignment#page1.tif source=401935-US NP VISWANATHAN-Assignment#page2.tif source=401935-US-NP CHENCHEV-Assignment#page1.tif source=401935-US-NP_CHENCHEV-Assignment#page2.tif source=401935-US-NP_JianMingZhou-Assignment#page1.tif source=401935-US-NP_JianMingZhou-Assignment#page2.tif source=401935-US-NP_LINSLEY-Assignment#page1.tif source=401935-US-NP_LINSLEY-Assignment#page2.tif source=401935-US-NP_PROBERT-Assignment#page1.tif source=401935-US-NP_PROBERT-Assignment#page2.tif source=401935-US-NP_PULAPAKA-Assignment#page1.tif source=401935-US-NP_PULAPAKA-Assignment#page2.tif source=401935-US-NP_SCHULTZ-Assignment#page1.tif source=401935-US-NP SCHULTZ-Assignment#page2.tif source=401935-US-NP SMITH-Assignment#page1.tif source=401935-US-NP SMITH-Assignment#page2.tif source=401935-US-NP-ANDERSON-Assignment#page1.tif source=401935-US-NP-ANDERSON-Assignment#page2.tif

RECEIPT INFORMATION

EPAS ID: PAT4462716 **Receipt Date:** 06/15/2017

PATENT ASSIGNMENT MS Docket No.: 401935-

US-NP		
I <u>Kinshumann KINSHL</u>	IMANN ("ASSIGNOR") am	the original inventor or an
original joint inventor of subject	ct matter ("INVENTION") d	isclosed and/or claimed in a
patent application entitled	"SECURING VIRTUAL E	XECUTION ENVIRONMENTS"
("APPLICATION"), which:		
\sqcup will be filed.	ASSIGNOR hereby author	rizes, and requests,
ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
LLC, One Microsof	t Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
on	and given Application	No by
the following Office	e <u>US – United States Patent</u>	and Trademark Office)
this APPLICATION'	s Application No., filing o	late, and Office, when
known;		
⊠ was filed on <u>April∶</u>	30, 2017 and was given Ap	pplication
No <u>15582741</u> by	the following Office " <u>US –</u>	United States Patent
and Trademark Of		_
behalf of itself and its successors of acquiring, the entire and expriority, in the INVENTION and to derived therefrom, such as confunited States, its territories, and ASSIGNOR hereby authorical entire of the successors of the entire of the	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh I all foreign countries ("API zes, and requests, ASSIGN	terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
to insert the Application No., f	iling date, and Office into	the following table for any
APPLICATION DERIVATIVES after	they are known;	
Application No.	Filing Date	Office

<u>US-NP</u>	_	

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).

Cin Dinan	
	5/5/2017
Inventor's Signature	Date
Kinshumann KINSHUMANN	
Printed Name in English	Printed Name in Native Language
K (04-07-2018)	(if other than English)

MS Docket No.: 401935-PATENT ASSIGNMENT SPP 2018-04-09 US-NP David R. I Dave PROBERT ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SECURING VIRTUAL EXECUTION ENVIRONMENTS" ("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 April 30, 2017 and was given Application No 15582741 by the following Office "US - United States Patent and Trademark 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 ADDITE THE PROBLEM TO ATTIVITY SHOP THOU SEE LEADING

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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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David Peabet 2019.04.	· 9
SKRILIT	5/1/2017
inventor's Signature <u>David B.</u> りぬり スッパタ・クソークグ	Date
Pave PROBERT	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 401935-

PATENT ASSIGNMENT MS Docket No.: 401935-

<u>US-NP</u>		
joint inventor of	subject matter ("INVENTION"	(") am the original inventor or an original of disclosed and/or claimed in a patent CHON ENVIRONMENTS" ("APPLICATION"),
ASSI LLC, LEG/ on _ the I	GNEE'S legal representative, One Microsoft Way, Redmond AL REPRESENTATIVES), to in and given A following Office <u>US – United St</u> APPLICATION's Application N	reby authorizes, and requests, Microsoft Technology Licensing, d, Washington 98052 (ASSIGNEE'S sert here in parentheses (filed Application Noby ates Patent and Trademark Office) No., filing date, and Office, when
No _	filed on <u>April 30, 2017</u> and w <u>15582741</u> by the following (<u>Trademark Office</u> ";	as given Application Office " <u>US – United States Patent</u>
behalf of itself and of acquiring, the priority, in the IN derived therefron United States, its ASSIGNOR	d its successors and assigns (", entire and exclusive rights, to VENTION and the APPLICATION n, such as continuing applicat territories, and all foreign cou hereby authorizes, and reque	Washington limited liability company, on ASSIGNEE"), is entitled to, and is desirous title and interest, including the right of N (and all other applications and patents tions, in whole or in part, in and for the intries ("APPLICATION DERIVATIVES")); sts, ASSIGNEE'S LEGAL REPRESENTATIVES Office into the following table for any
	RIVATIVES after they are know	
Application No.	Filing Date	Office

MS Docket No.: 401935-

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).

Charles Glenn JEFFRIES

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 401935-

<u>US-NP</u>		_	
I <u>Giri</u>	dhar VISWANA	$\overline{\Gamma \text{HAN}}$ ("ASSIGNOR") am	the original inventor or an
original joint in	nventor of subjec	t matter ("INVENTION") di	sclosed and/or claimed in a
patent applica	ation entitled	"SECURING VIRTUAL EX	XECUTION ENVIRONMENTS"
("APPLICATION"	"), which:		
\square w	ill be filed. 📝	ASSIGNOR hereby autho	rizes, and requests,
A	SSIGNEE'S legal r	epresentative, Microsoft	Technology Licensing,
LI	LC, One Microsoft	Way, Redmond, Washingt	on 98052 (ASSIGNEE'S
LE	EGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
OI	n	and given Application	No by
th	ne following Office	<u> US – United States Patent</u>	and Trademark Office)
th	is APPLICATION's	s Application No., filing d	ate, and Office, when
kı	nown;		
⊠ w	as filed on <u>April 3</u>	<u>80, 2017</u> and was given Ap	pplication
N	o <u>15582741</u> by	the following Office " <u>US –</u>	United States Patent
<u>ar</u>	nd Trademark Off	<u>ice</u> ";	
Microsof	ft Technology Lice	ensing, LLC, a Washington	limited liability company, on
behalf of itself	and its successors	and assigns ("ASSIGNEE"),	is entitled to, and is desirous
of acquiring, th	he entire and exc	clusive rights, title and in	terest, including the right of
priority, in the	INVENTION and th	ne APPLICATION (and all o	ther applications and patents
derived therefr	om, such as cont	inuing applications, in wh	ole or in part, in and for the
United States, i	ts territories, and	all foreign countries ("APF	PLICATION DERIVATIVES"));
	•	•	EE'S LEGAL REPRESENTATIVES
to insert the A	pplication No., fi	ling date, and Office into	the following table for any
APPLICATION D	DERIVATIVES after	they are known;	
Application No	o.	Filing Date	Office

US-NP		

MS Docket No.: 401935-

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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11	
g.M.	5/15/2017
(Inventor's Signature	Date
Giridhar VISWANATHAN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 401935-US-NP Margarit Simeonov CHENCHEV ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SECURING VIRTUAL EXECUTION ENVIRONMENTS" ("APPLICATION"), which: 山 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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known: was filed on April 30, 2017 and was given Application No 15582741 by the following Office "US - United States Patent and Trademark 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
2000			

US-NP				

MS Docket No.: 401935-

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

| Margarit Simeonov CHENCHEV | Margarit Simeonov Chenchev | Printed Name in Native Language (if other than English)

	I AT I THE	WOORTHAMELLE	1419 Pocket 140". 46	117334
US-NP				
inventor of	subject matter	("INVENTION") disc	original inventor or an original inventor or an originated in IN ENVIRONMENTS" ("APPLI)	a patent
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESEN on the following Offi	representative, Mir ift Way, Redmond, V TATIVES), to inser and given App ce <u>US – United State</u>	r authorizes, and requestrosoft Technology Licensi Vashington 98052 (ASSIGNE) t here in parentheses (fi lication No. <u>Patent and Trademark Offi</u> filing date, and Office, wh	ng, E'S led by <u>ce</u>)
Ø			given Application ce " <u>US – United States Pater</u>	Ľ.
behalf of its of acquiring priority, in t derived ther	elf and its successo , the entire and e he INVENTION and refrom, such as co	rs and assigns ("ASS xclusive rights, title the APPLICATION (a ntinuing application	hington limited liability cor IGNEE"), is entitled to, and is and interest, including th and all other applications ar s, in whole or in part, in an ies ("APPLICATION DERIVAT	s desirous e right of d patents nd for the
to insert th		filing date, and Of	ASSIGNEE'S LEGAL REPRESE fice into the following tab	
Application		Filing Date	Office	
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US-NP	

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Janua Dhou	6/14/2017
Inventor's Signature	Date
JianMing ZHOU	周剑明
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 401935-

PATENT ASSIGNMENT MS Docket No.: 401935-

US-NP
I <u>David John LINSLEY</u> ("ASSIGNOR") am the original inventor or an origina joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a paten application entitled " <u>SECURING VIRTUAL EXECUTION ENVIRONMENTS</u> " ("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 <u>April 30, 2017</u> and was given Application No <u>15582741</u> by the following Office " <u>US - United States Patent</u> and <u>Trademark Office</u> ";
Microsoft Technology Licensing, LLC, a Washington limited liability company, or 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 patent 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 REPRESENTATIVE to insert the Application No., filing date, and Office into the following table for an

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

Application No.	Filing Date	Office

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MS Docket No.: 401935-

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D. A. Lisley	5/4/2017
Inventor's Signature	Date
David John LINSLEY	
Printed Name in English	Printed Name in Native Language
	(if other than English)

US-NP				
joint inven	tor of subject matte	er ("INVENTION") di	n the original inventor or isclosed and/or claimed in the inventor of the inve	n a patent
	ASSIGNEE'S legal LLC, One Microsol LEGAL REPRESENT on the following Office	representative, Mic it Way, Redmond, W FATIVES), to inser and given App ie US – United States	r authorizes, and requi crosoft Technology Licens /ashington 98052 (ASSIGN t here in parentheses (lication No. <u>i Patent and Trademark Of</u> filing date, and Office, v	sing, IEE'S filed by <u>fice</u>)
×	was filed on <u>April</u> No <u>15582741</u> by and Trademark Of	y the following Offic	given Application ce " <u>US – United States Pate</u>	:nt
behalf of its of acquiring priority, in derived the United State ASSIG to insert th	self and its successorg, the entire and ex the INVENTION and the refrom, such as con es, its territories, and GNOR hereby author the Application No., i	s and assigns ("ASS clusive rights, title the APPLICATION (a tinuing application: I all foreign countri izes, and requests, filing date, and Off	hington limited liability co IGNEE"), is entitled to, and and interest, including to nd all other applications a s, in whole or in part, in a es ("APPLICATION DERIVA" ASSIGNEE'S LEGAL REPRES ice into the following tab	is desirous he right of nd patents and for the TIVES");
Application	iN DERIVATIVES after n No.	Filing Date	Office	
	<u> </u>			

Page 1 of 2

MS Docket No.: 401935-

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MS Docket No.: 401935-

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M. Commence of the contract of	5-1-207
Inventor's Signature	Date
Hari R. PULAPAKA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

US-NP					
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Application N		Filing Date		Office	

Page 1 of 2

MS Docket No.: 401935-

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MS Docket No.: 401935-

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_5/U_	MAY 15- 2017
	Inventor's Signature	Date
	Benjamin M. SCHULTZ	
	Printed Name in English	Printed Name in Native Language
Ĺ		(if other than English)

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inventor of	subject matter ('	'INVENTION") disc	e original inventor or an losed and/or claimed <u>ON ENVIRONMENTS</u> " ("AP	in a patent
	ASSIGNEE'S legal LLC, One Microsof LEGAL REPRESENT on the following Offic	representative, Mir t Way, Redmond, V FATIVES), to inser and given App e <u>US – United State</u>	vauthorizes, and req crosoft Technology Lice vashington 98052 (ASSIC there in parentheses lication No. <u>S Patent and Trademark (</u> filing date, and Office,	nsing, JNEE'S (filed by Office)
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to insert the		filing date, and Of	ASSIGNEE'S LEGAL REPRIFICE into the following t	
Application		Filing Date	Office	
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MS Docket No.: <u>401935-</u>

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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"));

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).

Inventor Signature Date

Frederick J. SMITH

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

US-NP	
1 <u>S</u>	cott Daniel ANDERSON ("ASSIGNOR") am the original inventor or an
original join	t inventor of subject matter ("INVENTION") disclosed and/or claimed in a
patent app	lication entitled " <u>SECURING VIRTUAL EXECUTION ENVIRONMENTS</u> "
("APPLICATIO	DN"), 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;
\boxtimes	was filed on April 30, 2017 and was given Application
	No <u>15582741</u> by the following Office " <u>US - United States Patent</u>
	and Trademark Office ";
Micro	soft Technology Licensing, LLC, a Washington limited liability company, on

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.: 401935-

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MS Docket No.: 401935-

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).

Lot h_	5/31/2017
Inventor's Signature	Date
Scott Daniel ANDERSON	
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 04/16/2018