

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4918073

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	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.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT TECHNOLOGY LICENSING, LLC
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15582741
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	425-707-9382
<b>Email:</b>	usdocket@microsoft.com
<b>Correspondent Name:</b>	MICROSOFT CORPORATION
<b>Address Line 1:</b>	ONE MICROSOFT WAY

PATENT

<b>Address Line 4:</b> REDMOND, WASHINGTON 98052	
<b>ATTORNEY DOCKET NUMBER:</b>	401935-US-NP
<b>NAME OF SUBMITTER:</b>	JAMES STROM
<b>SIGNATURE:</b>	/James Strom/
<b>DATE SIGNED:</b>	04/16/2018
<b>Total Attachments: 24</b> source=401935-US_NP_Corrected-KINSHUMANN-Assignment#page1.tif 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	

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Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																								
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>CHARLES GLENN JEFFRIES</td><td>05/16/2017</td></tr> <tr><td>KINSHUMANN KINSHUMANN</td><td>05/05/2017</td></tr> <tr><td>GIRIDHAR VISWANATHAN</td><td>05/15/2017</td></tr> <tr><td>MARGARIT SIMEONOV CHENCHEV</td><td>05/01/2017</td></tr> <tr><td>JIANMING ZHOU</td><td>06/14/2017</td></tr> <tr><td>DAVID JOHN LINSLEY</td><td>05/04/2017</td></tr> <tr><td>DAVE PROBERT</td><td>05/01/2017</td></tr> <tr><td>HARI R. PULAPAKA</td><td>05/01/2017</td></tr> <tr><td>BENJAMIN M. SCHULTZ</td><td>05/01/2017</td></tr> <tr><td>FREDERICK J. SMITH</td><td>06/04/2017</td></tr> <tr><td>SCOTT DANIEL ANDERSON</td><td>05/31/2017</td></tr> </tbody> </table>		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	JIANMING 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
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<p><b>Fax Number:</b></p> <p><b>Email:</b> usdocket@microsoft.com</p> <p><i>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.</i></p> <p><b>Correspondent Name:</b> MICROSOFT CORPORATION</p> <p><b>Address Line 1:</b> ONE MICROSOFT WAY</p> <p><b>Address Line 4:</b> REDMOND, WASHINGTON 98052</p>																									
<b>ATTORNEY DOCKET NUMBER:</b>	401935-US-NP																								

PATENT

REEL: 045953 FRAME: 0632

<b>NAME OF SUBMITTER:</b>	JAMES STROM
<b>Signature:</b>	/James Strom/
<b>Date:</b>	06/15/2017
<b>Total Attachments: 22</b> 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	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT4462716 <b>Receipt Date:</b> 06/15/2017	

PATENT

REEL: 045953 FRAME: 0633

US-NP

I Kinshumann KINSHUMANN ("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 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"));

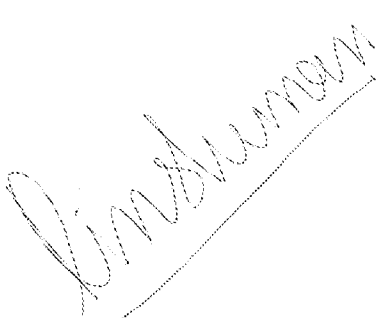
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office

US-NP


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).

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

US-NP David B. SPP 2018-04-09

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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;

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## PATENT ASSIGNMENT

MS Docket No.: 401935-

US-NP


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<i>David B. Probert</i> 2018-04-09	
<i>DB Probert</i>	5/1/2017
Inventor's Signature	Date
David B. <i>DB</i> 2018-04-09	
Dave PROBERT	
Printed Name in English	Printed Name in Native Language (if other than English)



US-NP

I Charles Glenn JEFFRIES ("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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
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 Inventor's Signature	<u>5/16/2017</u> Date
<u>Charles Glenn JEFFRIES</u> Printed Name in English	 Printed Name in Native Language (if other than English)

US-NP

I Giridhar VISWANATHAN ("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:

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	<u>5/15/2017</u>
Inventor's Signature	Date
<u>Giridhar VISWANATHAN</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

US-NP

I 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:

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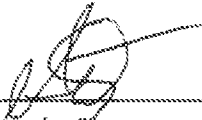
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 _____ Inventor's Signature	<u>May 1, 2017</u> _____ Date
<u>Margarit Simeonov CHENCHEV</u> _____ Printed Name in English	<u>Margarit Simeonov Chenchev</u> _____ Printed Name in Native Language (if other than English)

US-NP

I JianMing ZHOU ("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:

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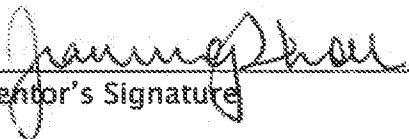
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	6/14/2017
Inventor's Signature	Date
JianMing ZHOU	周剑明
Printed Name in English	Printed Name in Native Language (if other than English)



US-NP

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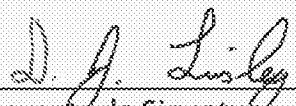
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Application No.	Filing Date	Office

US-NP


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 Inventor's Signature	<u>5/4/2017</u> Date
David John LINSLEY Printed Name in English	 Printed Name in Native Language (if other than English)

US-NP

I Hari R. PULAPAKA ("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 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";

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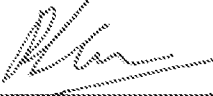
## PATENT ASSIGNMENT

MS Docket No.: 401935-

US-NP


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	<u>5-1-2017</u>
Inventor's Signature	Date
<u>Hari R. PULAPAKA</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

US-NP

I Benjamin M. SCHULTZ ("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:

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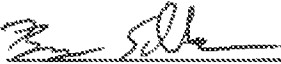
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	<u>MAY 15 2017</u>
Inventor's Signature	Date
<u>Benjamin M. SCHULTZ</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

US-NP

I Frederick J. SMITH ("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:

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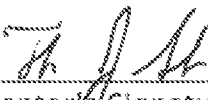
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 Inventor's Signature	<u>6-4-17</u> Date
Frederick J. SMITH Printed Name in English	 Printed Name in Native Language (if other than English)



US-NP

I Scott Daniel ANDERSON ("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:

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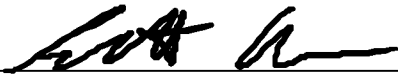
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 _____ Inventor's Signature	<u>5/31/2017</u> _____ Date
<u>Scott Daniel ANDERSON</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)