

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ANDREY KARPOVSKY	07/31/2018
	YOTAM LIVNY	07/31/2018
RECEIVING PARTY DATA		
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City:	REDMOND	
State/Country:	WASHINGTON	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16051112
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<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>		
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ATTORNEY DOCKET NUMBER:	404858-US-NP	
NAME OF SUBMITTER:	BRYAN S. WADE	
SIGNATURE:	/Bryan S. Wade, #58,228/	
DATE SIGNED:	07/31/2018	
Total Attachments: 4		
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source=404858-US-NP_Assignment#page4.tif		

PATENT ASSIGNMENT MS Docket No.: 404858-US-NP

I Andrey Karpovsky ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INCREASING SECURITY OF A PASSWORD-PROTECTED RESOURCE BASED ON PUBLICLY AVAILABLE DATA" ("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 July 31, 2018 and given Application No. 16/051,112 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 _____ and was given Application No. _____ by the following 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

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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).

<u>Andrey Karpovsky</u> Inventor's Signature	<u>31/7/18</u> Date
<u>Andrey Karpovsky</u> Printed Name in English	<u>Андре́й Карповский</u> Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 404858-US-NP

I Yotam Livny ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INCREASING SECURITY OF A PASSWORD-PROTECTED RESOURCE BASED ON PUBLICLY AVAILABLE DATA" ("APPLICATION"), which:

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<u>Yotam Livny</u> Inventor's Signature	<u>31 Jul 2018</u> Date
<u>Yotam Livny</u> Printed Name in English	<u>יית לבני</u> Printed Name in Native Language (if other than English)