

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HENRIQUE S. MALVAR	07/18/2019
PAUL ENGLAND	07/18/2019
ERIC J. HORVITZ	09/21/2019
RECEIVING PARTY DATA	
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State/Country:	WASHINGTON
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16792989
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	14917.3817USU1/407006USNP
NAME OF SUBMITTER:	ETHAN W. BELL
SIGNATURE:	/Ethan W. Bell/
DATE SIGNED:	02/18/2020
Total Attachments: 6	
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I Henrique S. MALVAR (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MEDIA PROVENANCE CERTIFICATION VIA FRAGILE WATERMARKING” (“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 _____) this APPLICATION’s Application No., filing date, and Office, when known;
- was filed on July 12, 2019 and was given Application No 62/873,791 by the following Office “United Sates Patent and Trademark Office”;

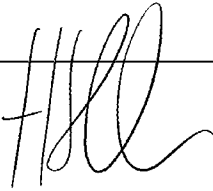
Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns (“ASSIGNEE”), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (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

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).

	July 18, 2019
_____ Inventor's Signature	_____ Date
Henrique S. MALVAR _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Paul ENGLAND ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MEDIA PROVENANCE CERTIFICATION VIA FRAGILE WATERMARKING" ("APPLICATION"), which:

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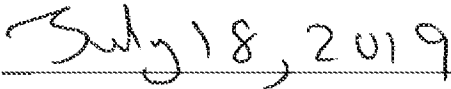
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_____ Inventor's Signature	_____ Date
<u>Paul ENGLAND</u>	_____
Printed Name in English	Printed Name in Native Language (if other than English)

I Eric J. HORVITZ (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MEDIA PROVENANCE CERTIFICATION VIA FRAGILE WATERMARKING” (“APPLICATION”), which:

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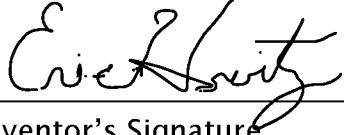
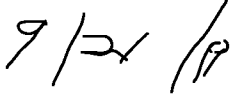
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 _____ Inventor's Signature	 _____ Date
<u>Eric J. HORVITZ</u> Printed Name in English	_____ Printed Name in Native Language (if other than English)