

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MATTHEW BENJAMIN HASTINGS	05/08/2020
JEONGWAN HAAH	05/08/2020
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16870988
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NAME OF SUBMITTER:	VLADIMIR A. KOZYREV
SIGNATURE:	/VLADIMIR A. KOZYREV/
DATE SIGNED:	05/10/2020
Total Attachments: 4	
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source=2020-05-10 Executed Assignments 408301-US-NP#page4.tif	

I Matthew Benjamin HASTINGS ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MAGIC STATE DISTILLATION USING INNER AND OUTER ERROR CORRECTING CODES" ("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 May 10, 2020 and given Application No. 16/870,988 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 "_____";

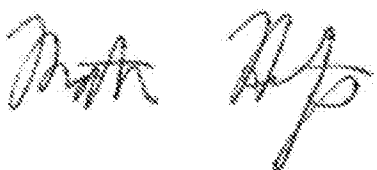
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ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

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).

	<p>5/8/2020</p>
<hr/> <p>Inventor's Signature</p>	<hr/> <p>Date</p>
<hr/> <p>Matthew Benjamin HASTINGS</p>	<hr/>
<hr/> <p>Printed Name in English</p>	<hr/> <p>Printed Name in Native Language (if other than English)</p>

I Jeongwan HAAH ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MAGIC STATE DISTILLATION USING INNER AND OUTER ERROR CORRECTING CODES" ("APPLICATION"), which:

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was filed on _____ and was given Application No _____ by the following Office "_____";

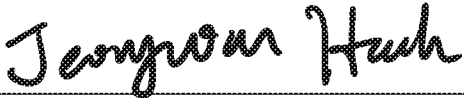
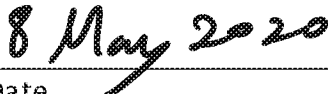
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<hr/> Inventor's Signature	<hr/> Date
Jeongwan HAAH	하정완
<hr/> Printed Name in English	<hr/> Printed Name in Native Language (if other than English)