

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6503421

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NIKUNJ RAGHUVANSHI	10/06/2019
KEITH WILLIAM GODIN	09/06/2019
JOHN MICHAEL SNYDER	09/20/2019
CHAKRAVARTY REDDY ALLA CHAITANYA	09/21/2019
<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>	17152375
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)381-3110
<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>	4254212115
<b>Email:</b>	chriochs@microsoft.com
<b>Correspondent Name:</b>	MICROSOFT CORPORATION
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	407038-US-CNT
<b>NAME OF SUBMITTER:</b>	ALEX LEA
<b>SIGNATURE:</b>	/alex lea/
<b>DATE SIGNED:</b>	01/19/2021
<b>Total Attachments: 8</b>	
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I Nikunj RAGHUVANSHI (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “Bidirectional Propagation of Sound” (“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 August 22, 2019 and was given Application No 16/548,645 by the following Office “USPTO”;

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).

	10/6/2019
_____ Inventor's Signature	_____ Date
Nikunj RAGHUVANSHI	
_____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I Keith William GODIN ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Bidirectional Propagation of Sound" ("APPLICATION"), which:

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 _____ Inventor's Signature	<u>9 / 6 / 2019</u> _____ Date
<u>Keith William GODIN</u> _____ Printed Name in English	_____ Printed Name in Native Language (if other than English)

I John Michael SNYDER ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Bidirectional Propagation of Sound" ("APPLICATION"), which:

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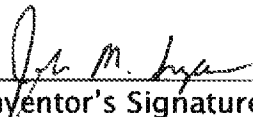
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 Inventor's Signature	<u>9/20/2019</u> Date
John Michael SNYDER Printed Name in English	 Printed Name in Native Language (if other than English)



I Chakravarty Reddy ALLA CHAITANYA (“ASSIGNOR”) am the original inventor or an original joint inventor of subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “Bidirectional Propagation of Sound” (“APPLICATION”), which:

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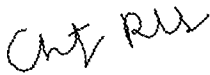
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	2019/09/21
_____ Inventor's Signature	_____ Date
Chakravarty Reddy ALLA CHAITANYA	_____ Printed Name in Native Language (if other than English)
_____ Printed Name in English	