505823740 12/16/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARVIND MUTHUKRISHNAN	11/25/2019
PRASAD THIRUVEEDU	11/18/2019
SOURABH KUKREJA	11/18/2019
ARCHANA SASEETHARAN	11/23/2019
MATTHEW KYLE PHILPOTT	11/22/2019

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16679139

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 202-559-9159

Email: USDocket@microsoft.com, microsoft@novotechip.com

Correspondent Name: NOVOTECHIP INTERNATIONAL PLLC

Address Line 1: 1717 PENNSYLVANIA AVE. NW

Address Line 2: SUITE #1025

Address Line 4: WASHINGTON, D.C. 20006

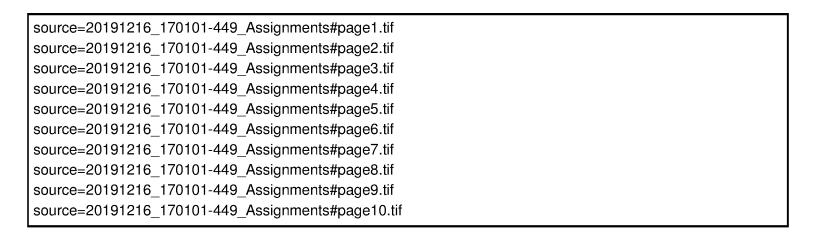
ATTORNEY DOCKET NUMBER:	407339-US-NP/170101-449
NAME OF SUBMITTER:	ERIC M. SHELTON
SIGNATURE:	/Eric M. Shelton/
DATE SIGNED:	12/16/2019
	•

Total Attachments: 10

PATENT REEL: 051298 FRAME: 0628

EPAS ID: PAT5870570

505823740



PATENT REEL: 051298 FRAME: 0629

NovoTechIP Docket No.: 170101-449

	vind MUTHUKRISHNAN ("ASSIGNOR") am the original inventor or an inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
	entitled "SELECTIVE ELECTRONIC CONTENT CASTING"
("APPLICAT	ION"), 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 November 8, 2019 and was given Application No 16/679,139 by the following Office "US - United States Patent and Trademark Office";
of itself and it the entire and and the APP continuing ap	soft Technology Licensing, LLC, a Washington limited liability company, on behalf is successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, exclusive rights, title and interest, including the right of priority, in the INVENTION LICATION (and all other applications and patents derived therefrom, such as plications, in whole or in part, in and for the United States, its territories, and all ies ("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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			·

MS Docket No.: <u>407339-US-NP</u> NovoTechIP Docket No.: <u>170101-449</u>

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).

Inventor's Signature

Date

Arvind MUTHUKRISHNAN

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: <u>407339-US-NP</u> NovoTechIP Docket No.: <u>170101-449</u>

inventor of s	ubject matter ("INVI	ENTION") disclosed and/or	ginal inventor or an original join claimed in a patent application ASTING" ("APPLICATION")
	legal representative, Way, Redmond, REPRESENTATIVI on following Office US	· • • • • • • • • • • • • • • • • • • •	ing, LLC, One Microsoft ASSIGNEE'S LEGAL in parentheses (filed b by the Trademark Office) this
⊠	· · · · · · · · · · · · · · · · · · ·	oer 8, 2019 and was given Ap the following Office " <u>US - I</u>	•
of itself and it the entire and and the APP continuing ap foreign country	s successors and assign exclusive rights, title and all plications, in whole cries ("APPLICATION") SNOR hereby and assign exclusions and assignment assignment assignment assignment assignment as a succession of the	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Unit DERIVATIVES"));	ited liability company, on behalf to, and is desirous of acquiring at of priority, in the INVENTION onts derived therefrom, such as ted States, its territories, and all s, ASSIGNEE'S LEGAL and Office into the following table
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	IVES after they are known;	
Application	No.	Filing Date	Office
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MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

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).

T. Prasid.	11/18/2019
Inventor's Signature	Date
Prasad THIRUVEEDU	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

inventor of s	ubject matter ("INVE	NTION") disclosed and/or	inal inventor or an original joint claimed in a patent application ("APPLICATION"),
	legal representative, legal representative, legal representative, legal way, Redmond, REPRESENTATIVE on	GNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (ASS), to insert here is and given Application No. 1 - United States Patent and pplication No., filing date, and	sing, LLC, One Microsoft ASSIGNEE'S LEGAL In parentheses (filed D by the Trademark Office) this
	was filed on November 8, 2019 and was given Application No 16/679,139 by the following Office "US - United States Patent and Trademark Office";		
of itself and it the entire and and the APP continuing ap foreign countr	s successors and assign exclusive rights, title a LICATION (and all plications, in whole ories ("APPLICATION")	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Uni-	ited liability company, on behalf d to, and is desirous of acquiring, at of priority, in the INVENTION nts derived therefrom, such as ted States, its territories, and all
REPRESENT	ATIVES to insert the		nd Office into the following table
Application 1	No.	Filing Date	Office

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

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).

	Nov-18-2019
Inventor's Signature	Date
Sourabh KUKREJA	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

joint inventor	of subject matter ("IN	VENTION") disclosed and/o	ne original inventor or an original or claimed in a patent application ASTING" ("APPLICATION"),
	legal representative, way, Redmond, REPRESENTATIVE onfollowing Office US	·	sing, LLC, One Microsoft ASSIGNEE'S LEGAL in parentheses (filed o by the I Trademark Office) this
Ճ		oer 8, 2019 and was given Ap the following Office "US - I	
of itself and it the entire and and the APP continuing ap foreign count ASSIG REPRESENT	s successors and assign exclusive rights, title a LICATION (and all eplications, in whole or cries ("APPLICATION")  GNOR hereby a CATIVES to insert the	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Unit DERIVATIVES")); authorizes, and request Application No., filing date, a	nited liability company, on behalf d to, and is desirous of acquiring, at of priority, in the INVENTION ents derived therefrom, such as ted States, its territories, and all ts, ASSIGNEE'S LEGAL 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"));

PATENT REEL: 051298 FRAME: 0636

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

ASSIGNOR agrees to execute all instruments and documents required for the making anc 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).

Lule	11/23/2019
Inventor's Signature	Date
Archana SASEETHARAN	

PATENT REEL: 051298 FRAME: 0637

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

joint inventor	of subject matter ("IN	VENTION") disclosed and/o	e original inventor or an original or claimed in a patent application ("APPLICATION").
	legal representative, Way, Redmond, REPRESENTATIVE onfollowing Office US	GNOR hereby authorizes, and Microsoft Technology Licens Washington 98052 (AES), to insert here is and given Application No United States Patent and pplication No., filing date, and	sing, LLC, One Microsoft ASSIGNEE'S LEGAL in parentheses (filed by the I Trademark Office) this
		oer 8, 2019 and was given Ap the following Office " <u>US - I</u>	
of itself and it the entire and and the APP continuing ap	s successors and assig exclusive rights, title a LICATION (and all	ns ("ASSIGNEE"), is entitled and interest, including the right other applications and pate or in part, in and for the Uni	nited liability company, on behalf d to, and is desirous of acquiring nt of priority, in the INVENTION ents derived therefrom, such as ted States, its territories, and all
	ATIVES to insert the	Application No., filing date, a	ts, ASSIGNEE'S LEGAL and Office into the following table
		IVES after they are known;	Occ
Application	INO.	Filing Date	Office

MS Docket No.: 407339-US-NP NovoTechIP Docket No.: 170101-449

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).

	<b>November 22, 2019</b>
Inventor's Signature	Date
Matthew Kyle PHILPOTT	

**RECORDED: 12/16/2019**