505364026 03/07/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5410816

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLE ELAINE BERDY	12/30/2018
ALEXANDER TOLPIN	01/03/2019
TAMER AWAD	12/21/2018
RAJEEV MANDAYAM VOKKARNE	12/21/2018
PUNEET GUPTA	12/31/2018
TIMOTHY JAMES LARDEN	12/31/2018
JELANI Z. BRANDON	01/02/2019
SACHINKUMAR CHANDRAMOHAN	02/06/2019
MOUNICA ARROJU	03/06/2019

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:	16237393

CORRESPONDENCE DATA

Fax Number: (720)204-5669

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: 425-707-9382

Email:usdocket@microsoft.comCorrespondent Name:MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER: 405580-US-NP

NAME OF SUBMITTER: MELANIE R. BAUM

PATENT 505364026 REEL: 048535 FRAME: 0636

SIGNATURE: /Melanie R. Baum/ **DATE SIGNED:** 03/07/2019 **Total Attachments: 18** source=405580-US-NP Assignment BERDY#page1.tif source=405580-US-NP Assignment BERDY#page2.tif source=405580-US-NP_Assignment_TOLPIN#page1.tif source=405580-US-NP Assignment TOLPIN#page2.tif source=405580-US-NP_Assignment_AWAD#page1.tif source=405580-US-NP Assignment AWAD#page2.tif source=405580-US-NP Assignment VOKKARNE#page1.tif source=405580-US-NP Assignment VOKKARNE#page2.tif source=405580-US-NP Assignment GUPTA#page1.tif source=405580-US-NP Assignment GUPTA#page2.tif source=405580-US-NP Assignment LARDEN#page1.tif source=405580-US-NP Assignment LARDEN#page2.tif source=405580-US-NP_Assignment_BRANDON#page1.tif source=405580-US-NP_Assignment_BRANDON#page2.tif source=405580-US-NP Assignment CHANDRAMOHAN#page1.tif source=405580-US-NP Assignment CHANDRAMOHAN#page2.tif source=405580-US-NP_Assignment_ARROJU#page1.tif

source=405580-US-NP Assignment ARROJU#page2.tif

PATENT REEL: 048535 FRAME: 0637

MS Docket No.: 405580-US-NP

I <u>Nicole Elaine BERDY</u> ("A inventor of subject matter (" application entitled " <u>EXTENSIBL</u> which:	INVENTION") disclosed a	•
ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft it Way, Redmond, Washing ATIVES), to insert here and given Application is US – United States Patent is Application No., filing o	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by and Trademark Office)
	<u>nber 31, 2018</u> and was giv e following Office " <u>US – Un</u> ;	
behalf of itself and its successors of acquiring, the entire and exerpriority, in the INVENTION and to derived therefrom, such as contunited States, its territories, and ASSIGNOR hereby authorito insert the Application No., for	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh l all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	terest, including the right of ther applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES
APPLICATION DERIVATIVES after Application No.	Filing Date	Office
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MS Docket No.: 405580-US-NP

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).

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inventor of subject matte	er ("INVENTION") discl	riginal inventor or an origina osed and/or claimed in a <u>TY ATTESTATION</u> " ("APPLICAT	patent
ASSIGNEE'S le LLC., One Mic LEGAL REPRE on the following	egal representative, Mic rosoft Way, Redmond, W SENTATIVES), to insert and given Appl Office <u>US – United States</u>	authorizes, and requests, rosoft Technology Licensing, ashington 98052 (ASSIGNEE'S here in parentheses (filed ication No by Patent and Trademark Office) filing date, and Office, when	
No	and was by the following ademark Office)";	given Application Office " <u>US – United States</u>	
behalf of itself and its succe of acquiring, the entire an priority, in the INVENTION derived therefrom, such as	essors and assigns ("ASSI d exclusive rights, title and the APPLICATION (a continuing applications	hington limited liability compaid (GNEE"), is entitled to, and is deand interest, including the rind all other applications and part, in and the control of	esirous ight of patents for the
		ASSIGNEE'S LEGAL REPRESENTA ice into the following table f	
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MS Docket No.: 405580-US-NP

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"));

augus Blen	1/3/19
Inventor's Signature	Date
Alexander TOLPIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 405580-US-NP

I <u>Tamer AWAD</u> ("ASSIGNOR") am the original inventor or an original joint invent of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitl " <u>EXTENSIBLE DEVICE IDENTITY ATTESTATION</u> " ("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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;	
was filed on December 31, 2018 and was given Application No 16/237,393 by the following Office "US - United States Patent and Trademark Office)";	
Microsoft Technology Licensing, LLC, a Washington limited liability company, behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desiro of acquiring, the entire and exclusive rights, title and interest, including the right priority, in the INVENTION and the APPLICATION (and all other applications and pater derived therefrom, such as continuing applications, in whole or in part, in and for t United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));	us of its
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVE to insert the Application No., filing date, and Office into the following table for a APPLICATION DERIVATIVES after they are known;	

Application No. Filing Date Office

MS Docket No.: 405580-US-NP

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"));

7-25		12-21-2018
Inventor's Signature		Date
Tamer AWAD		واس عرفه
Printed Name in English		Printed Name in Native Language (if other than English)

MS Docket No.: 405580-US-NP

original joint inve	ntor of subjection entitled	t matter ("INVENTI	R") am the original ON") disclosed and, <u>PEVICE IDENTITY</u>	or claimed in a
ASSI LLC. LEG/ on _ the f	GNEE'S legal r , One Microsof AL REPRESENT ollowing Office APPLICATION'	epresentative, Mic t Way, Redmond, W ATIVES), to insert and given Appl <u>US – United States</u>	authorizes, and rosoft Technology I ashington 98052 (A) here in parenthe ication No. Patent and Tradema filing date, and Off	Licensing, SSIGNEE'S ses (filed by <u>urk Office</u>)
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Application No.		Filing Date	Office	

MS Docket No.: 405580-US-NP

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).

Inventor's Signatur

Rajeev Mandayam VOKKARNE

Printed Name in English

1 6.... | 6.... |

Date

Printed Name in Native Language

(if other than English)

MS Docket No.: 405580-US-NP

I <u>Puneet GUPTA</u> ("ASSIGN of subject matter ("INVENTION") "EXTENSIBLE DEVICE IDENTITY A	disclosed and/or claimed	
ASSIGNEE'S legal LLC., One Microso LEGAL REPRESEN ^T on the following Office	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing FATIVES), to insert here and given Application se US – United States Patenti's Application No., filing o	Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed No by and Trademark Office)
	<u>mber 31, 2019</u> and was give e following Office " <u>US – Un</u> ";	
Microsoft Technology Lice behalf of itself and its successor of acquiring, the entire and ex- priority, in the INVENTION and derived therefrom, such as con- United States, its territories, and	rs and assigns ("ASSIGNEE") cclusive rights, title and ir the APPLICATION (and all c tinuing applications, in w	nterest, including the right of other applications and patents hole or in part, in and for the
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to insert the Application No., APPLICATION DERIVATIVES afte	=	o the following table for any
Application No.	Filing Date	Office

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Mis Docker No. 405580-LS-2¹

For good and valuable consideration, the receipt of which is necessary accounted by the ASSIGNOR, the ASSIGNOR hereby sells assigns and transfers to the ASSIGNOR ASSIGNOR, the analysis of the assign and transfers to the assign as the assign as the right of profits in the INVENTION and the APPLICATION and all other applications and patients derived therefrom, such as community applications, in whole or in part, it and for the United States, its sentiones, and all foreign countries (APPLICATION DERIVATIVES).

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Inventor's Signature	Date
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MS Docket No.: 405580-US-NP

I <u>Timothy James LARDEN</u> (inventor of subject matter ("application entitled " <u>EXTENSIBI</u> which:	INVENTION") disclosed a	561
ASSIGNEE'S legal is LLC., One Microsof LEGAL REPRESENT onthe following Office	ASSIGNOR hereby authorepresentative, Microsoft of Way, Redmond, Washing (ATIVES), to insert here and given Application of US – United States Patent of Application of Appli	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby and Trademark Office)
	oer 31, 2018 and was given A by the following Office park Office)";	
behalf of itself and its successors of acquiring, the entire and exception of acquiring, the invention and the priority, in the INVENTION and the derived therefrom, such as contunited States, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh all foreign countries ("API zes, and requests, ASSIGN illing date, and Office into	iterest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); IEE'S LEGAL REPRESENTATIVES
Application No.	Filing Date	Office

MS Docket No.: 405580-US-NP

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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"));

	·
Yhr	12/31/2018
Inventor's Signature	Date
Timothy James LARDEN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 405580-US-NP

inventor of	subject matter	("INVENTION") discl	original inventor or an osed and/or claimed TY ATTESTATION" ("/	d in a patent
	ASSIGNEE'S lega LLC., One Micros LEGAL REPRESER on the following Off	I representative, Mic oft Way, Redmond, W NTATIVES), to insert and given Appl ice <u>US - United States</u>	authorizes, and re rosoft Technology Lie ashington 98052 (ASS here in parenthese ication No. <u>Patent and Trademar</u> filing date, and Offic	censing, SIGNEE'S es (filed by <u>k Office</u>)
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behalf of its of acquiring priority, in t derived the	elf and its successors, the entire and entir	ors and assigns ("ASSI exclusive rights, title I the APPLICATION (a ontinuing applications	nington limited liabilit GNEE"), is entitled to, and interest, includir nd all other applicatio s, in whole or in part, es ("APPLICATION DER	and is desirousing the right of ns and patents in and for the
			ASSIGNEE'S LEGAL REF	
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MS Docket No.: 405580-US-NP

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).

løventor's Signature

Jelani Z. BRANDON

Printed Name in English

Printed Name in Native Language

(if other than English)

MS Docket No.: 405580-US-NP

original joint inventor patent application	<u>CHANDRAMOHAN</u> ("ASSIGNO of subject matter ("INVENTIC entitled " <u>EXTENSIBLE D</u>	ON") disclosed and/or	
("APPLICATION"), which	•		
ASSIGNEE' LLC., One LEGAL RE on the follow	filed. ASSIGNOR hereby S legal representative, Micr Microsoft Way, Redmond, Wi PRESENTATIVES), to insertand given Appli ing Office <u>US – United States</u> CATION's Application No., i	osoft Technology Lice ashington 98052 (ASSIC here in parentheses cation No. Patent and Trademark (insing, GNEE'S (filed by Office)
	on <u>December 31, 2018</u> and v <u>93</u> by the following Office " <u>U</u> k <u>Office)</u> ":		
behalf of itself and its so of acquiring, the entire priority, in the INVENTION derived therefrom, such United States, its territor	ology Licensing, LLC, a Wash uccessors and assigns ("ASSIGE and exclusive rights, title ON and the APPLICATION (and as continuing applications ories, and all foreign countries, authorizes, and requests, A	GNEE"), is entitled to, ar and interest, including d all other applications , in whole or in part, in s ("APPLICATION DERIV	nd is desirous the right of and patents and for the ATIVES"));
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Application No.	VES after they are known;	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"));

Sachinkrum	02/06/19
Inventor's Signature	Date
SachinKumar CHANDRAMOHAN Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 405580-US-NP

inventor of subje	<u>ARROIU</u> ("ASSIGNOR") am ect matter ("INVENTION") ed " <u>EXTENSIBLE DEVICE II</u>	disclosed and/or	claimed in a patent
ASSIC LLC., LEGA on the fo	be filed. ASSIGNOR has filed. ASSIGNOR has filed. ASSIGNOR has filed to the filed by the filed b	e, Microsoft Techno and, Washington 980 insert here in par n Application No States Patent and Tr	logy Licensing, 152 (ASSIGNEE'S entheses (filed by ademark Office)
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behalf of itself and of acquiring, the operation of the inverse of the second derived therefrom	echnology Licensing, LLC, its successors and assigns entire and exclusive rights ENTION and the APPLICAT, such as continuing applicantionies, and all foreign c	("ASSIGNEE"), is enti i, title and interest, ION (and all other ap cations, in whole or	tled to, and is desirous including the right of plications and patents in part, in and for the
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Application No.	Filing Date	Office	

MS Docket No.: <u>405580-US-NP</u>

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Mounica	03/06/2019	
Inventor's Signature	Date	
Mounica ARROJU		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	