# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6129164

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GEOFFREY C. GARDNER	05/28/2020
SERGEI V. GRONIN	05/28/2020
RAYMOND L. KALLAHER	05/28/2020
MICHAEL JAMES MANFRA	05/29/2020

## **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:	16887635

## **CORRESPONDENCE DATA**

**Fax Number:** (877)812-1249

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.

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**Email:** ecdocket@microsoft.com

Correspondent Name: WITHROW & TERRANOVA P.L.L.C.

Address Line 1: 106 PINEDALE SPRINGS WAY

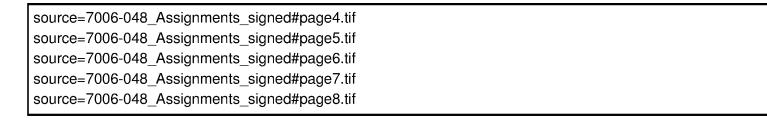
Address Line 4: CARY, NORTH CAROLINA 27511

ATTORNEY DOCKET NUMBER:	7006-048
NAME OF SUBMITTER:	FRAN LAFRANKIE
SIGNATURE:	/FRAN LAFRANKIE/
DATE SIGNED:	05/29/2020

### **Total Attachments: 8**

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PATENT 506082448 REEL: 052789 FRAME: 0618



PATENT REEL: 052789 FRAME: 0619 MS Docket No.: 408414-US-NP

l <u>Geof</u>	frey C. G	<u>ARDNER</u>	("ASSIGNOR") a	m the origi	nal invei	ntor or	an orig	jinal joint
inventor of	subject	matter	("INVENTION")	disclosed	and/or	claim	ed in	a patent
application	entitled	" <u>SAG</u>	NANOWIRE	GROWTH	WITH	ION	IMPLAN	" <u>NOITATI</u>
("APPLICATIO	N"), whic	:h:						

$\boxtimes$	will	be	filed.	ASSIGNOR	hereby	auth	orizes,	and	requ	iests,
	ASSI	GNE	E'S legal	representat	tive, Micr	osoft	Techno	ology	Licer	nsing,
	LLC,	One	Microso	oft Way, Redi	mond, Wa	ashing	ton 980	052 (A	SSIG	NEE'S
	LEGA	AL R	EPRESEN	VTATIVES), t	o insert	here	in pa	renthe	eses	(filed
	on				and		given	Δ	pplic	ation
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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	

	PATENT ASSIGNMENT	MS Docket No.: <u>408414-US-NP</u>
-		
Announce		

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).

Gefy Clarker	5-28-2020
Inventor's Signature	Date
Geoffrey C. GARDNER	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>408414-US-NP</u>

inventor of	subject matter ( entitled " <u>SAG</u>		l inventor or an original join and/or *claimed in a paten <u>WITH ION IMPLANTATION</u>
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT on No. Patent and Trade	ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing TATIVES), to insert here and by the following Offimark Office) this APPLICA ffice, when known;	Technology Licensing, gton 98052 (ASSIGNEE'S in parentheses (filed given Application ice <u>US – United States</u>
	No	and was given by the following Office ";	
behalf of its desirous of a right of prior patents deriv	self and its successive acquiring, the entitivity, in the INVENTI ved therefrom, suction its to	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, or GNEE"), is entitled to, and is tle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION
REPRESENTA	TIVES to insert t		uests, ASSIGNEE'S LEGA g date, and Office into the nev are known:
Application N	n-4-n	Filing Date	Office Office

Page 1 of 2

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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"));

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	05-28-20
Inventor's Signature	Date
/ Sergei V. GRONIN	Сергей Гронин
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Raymond L. KA</u>	<u>LLAHER</u> ("ASSIGNOR") am	the original inventor or an original
joint inventor of subject	t matter ("INVENTION") d	lisclosed and/or claimed in a patent
application entitled '	'SAG NANOWIRE GRO'	WTH WITH ION IMPLANTATION"
("APPLICATION"), which:		
🛛 will be fi	led. ASSIGNOR hereb	y authorizes, and requests,
ASSIGNEE'S	legal representative, Mi	crosoft Technology Licensing,
LLC, One M	licrosoft Way, Redmond, V	Washington 98052 (ASSIGNEE'S
LEGAL REP	RESENTATIVES), to inse	rt here in parentheses (filed
on	ar	nd given Application
No	by the followi	ng Office <u>US – United States</u>
<u>Patent and</u>	Trademark Office) this A	APPLICATION's Application No.,
filing date,	and Office, when known;	
$\square$ was filed or	n and was	s given Application
No	by the followin	g Office
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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")		
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ASSIGNOR here	eby authorizes, and	requests, ASSIGNEE'S LEGAL
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	PPLICATION DERIVATIVES	· · · · · · · · · · · · · · · · · · ·
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N C	05-28-2020	
Inventor's Signature	Date	
Raymond L. KALLAHER		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

REEL: 052789 FRAME: 0625

joint invento	or of subject matt entitled <u>"SAG</u>	er ("INVENTION") disclos	original inventor or an original ed and/or claimed in a patent <u>WITH ION IMPLANTATION</u> "
	LLC, One Microso LEGAL REPRESEN on No. Patent and Trade	representative, Microso ft Way, Redmond, Washin TATIVES), to insert her and by the following Of	horizes, and requests, ft Technology Licensing, ngton 98052 (ASSIGNEE'S re in parentheses (filed given Application fice US - United States ATION's Application No.,
		and was given by the following Offi ";	
behalf of its desirous of right of prio patents deri	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its	ssors and assigns ("ASS re and exclusive rights, ON and the APPLICATION th as continuing applicati	on limited liability company, on limited liability company, on listic to and is title and interest, including the land all other applications and lons, in whole or in part, in and eign countries ("APPLICATION")
	•		quests, ASSIGNEE'S LEGAL ng date, and Office into the
following tal	ole for any APPLICA	TION DERIVATIVES after	they are known;
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MS Docket No.: 408414-US-NP

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Melal James Monfre Inventor's Signature	5/24/2020 Date
Michael James MANFRA	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT