504490229 08/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4536931

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KETAN R. SHAH	08/03/2017
TODD DAVID PLEAKE	08/03/2017
BENJAMIN JOSEPH CARPENTER	08/02/2017
GEORGE KARAVAEV	08/03/2017
MARK GERARD RICE	08/02/2017

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:	15669480

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: 425-707-9382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

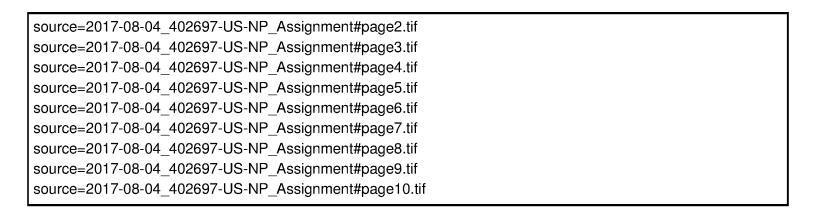
ATTORNEY DOCKET NUMBER:	402697-US-NP
NAME OF SUBMITTER:	SOLANGE REOCH
SIGNATURE:	/Solange Reoch/
DATE SIGNED:	08/04/2017

Total Attachments: 10

source=2017-08-04_402697-US-NP_Assignment#page1.tif

PATENT REEL: 043207 FRAME: 0070

504490229



PATENT REEL: 043207 FRAME: 0071

MS Docket No.: 402697-US-NP

inventor of	subject matter (entitled " <u>RIGIDLY</u>	"INVENTION") disclosed	inventor or an original joint and/or claimed in a patent ITH STRUCTURAL STIFFENER"
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filer No. Office	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), d on by	Technology Licensing, Washington 98052 to insert here in and given Application the following this APPLICATION's
		and was given by the following Office	
behalf of its desirous of a right of prior patents deriv	self and its succe acquiring, the enti rity, in the INVENTI ved therefrom, suc ited States, its (ssors and assigns ("ASSII re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, on 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 ti	authorizes, and requive he Application No., filin	g date, and Office into the
Application !		Filing Date	Office
, and the state of			
		3	\$ · · · · · · · · · · · · · · · · · · ·

Page 1 of 2

PATENT REEL: 043207 FRAME: 0072

MS Docket No.: 402697-US-NP

	And the second s
	ł:,,
	<u> </u>
- 3	<u> </u>
- 4	
- 1	
- 3	<u> </u>

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).

KohnRShh	August 3, 2017
Inventor's Signature	Date
Ketan R. SHAH	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 402697-US-NP

inventor of subject ma	atter ("INVENTION") di	he original inventor or an original sclosed and/or claimed in a p KPAD WITH STRUCTURAL STIFFE	ateni
ASSIGNEE'S LLC., One (ASSIGNEE'S parenthese: No. Office	legal representative, N Microsoft Way, R LEGAL REPRESENT/ (filed on	eby authorizes, and requests, Microsoft Technology Licensing, Medmond, Washington 98052 ATIVES), to insert here in and given Application by the following this APPLICATION's fice, when known;	
No	and water and wa		
behalf of itself and its desirous of acquiring, th right of priority, in the IN patents derived therefron	successors and assign e entire and exclusive i VENTION and the APPLion, such as continuing a	ashington limited liability company is ("ASSIGNEE"), is entitled to, an rights, title and interest, including CATION (and all other applications pplications, in whole or in part, in all foreign countries ("APPLICAT	d is the and and
		lo., filing date, and Office into	
Application No.	Filing Date	Office	

Page 1 of 2

MS Docket No.: 402697-US-NP

	1.3
- X	
The state of the s	and the control of th
	3
	9
	: 5
	0.00
	3
	- 3
\$	3
	and the second
	ş
- Euler (1981) - 1981 - 1981 - 1981 - 1981 - 1982 - 1982 - 1982 - 1982 - 1982 - 1982 - 1982 - 1982 - 1982 - 19	9
A CONTROL OF THE PROPERTY OF T	e de la companya de

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 Signature Todd David PLEAKE	8 /3 /17 Date
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>402697-US-NP</u>

original join patent app	t inventor of subje	ct matter ("INVENT) "RIGIDLY_BONDED	ION") disclosed a	nal inventor or an ind/or claimed in a <u>VITH_STRUCTURAL</u>
	ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No. Office	ASSIGNOR hereby representative, Mic rosoft Way, Red AL REPRESENTATION by by by billing date, and Office	rosoft Technolog mond, Washing VES), to Inser and given / the) this AP	y Licensing, ton 98052 t here in Application following
	No	and was by the following		
behalf of its desirous of a right of prior patents deriv	elf and its succest acquiring, the entire ity, in the INVENTION red therefrom, such ted States, its t	ensing, LLC, a Wash isors and assigns in a and exclusive rigon and the APPLICA as continuing applerritories, and all	("ASSIGNEE"), is hts, title and inte TION (and all oth lications, in whol	entitled to, and is crest, including the er applications and e or in part, in and
REPRESENTA	TIVES to insert th	uthorizes, and e Application No., TION DERIVATIVES a	, filing date, an	d Office into the
Application N	anacomorphica i control distribution de l'adiabatication describble de l'élé-	Filing Date	Office	
	A CONTRACTOR OF THE CONTRACTOR			

Page 1 of 2

PATENT REEL: 043207 FRAME: 0076

MS Docket No.: <u>402697-US-NP</u>

A CONTRACTOR OF THE PROPERTY O		Contraction of the contraction o			
				Control of the Contro	
	35		\$:		
	3		30		
	ंदे		- 18 c		
	,			*****	
	. \$				
	- 3		9.7		
<u> </u>					
	inimiani propriation of the property of the second			***********************	
	- 5				
	: \$				
	- 3		(§)		
***************************************			· 3 ·		
,	**********	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$ \$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	• Mille Millian and a second and a second according	CONTRACTOR	
	¥.				
			. S		
	www.commission.com		3		
			A NAME OF TAXABLE PARTY OF TAXABLE PARTY.		

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).

	August 2, 2017	
Invent@/s Signature	Date	
Benjamin Joseph CARPENTER		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

MS Docket No.: 402697-US-NP

inventor of	subject matter entitled " <u>RIGIDL</u> "	("INVENTION") disclosed	ial inventor or an original joint and/or claimed in a patent //TH STRUCTURAL STIFFENER"
	ASSIGNEE'S lega LLC., One Mi (ASSIGNEE'S LE parentheses (file No. Office	ASSIGNOR hereby autilities of the control of the co	t Technology Licensing, , Washington 98052 to insert here in and given Application the following) this APPLICATION's
О		and was given by the following Offic ";	
behalf of its desirous of a right of prior patents deriv	elf and its succe equiring, the enti ity, in the INVENT ed therefrom, suc ted States, its	ssors and assigns ("ASSI re and exclusive rights, to ION and the APPLICATION th as continuing application	n limited liability company, on GNEE"), is entitled to, and is the and interest, including the (and all other applications and ns, in whole or in part, in and ign countries ("APPLICATION
REPRESENTAT	IVES to insert t		g date, and Office into the
		Filing Date	Office
	e for any APPLICA	TION DERIVATIVES after th	ney are known;

Page 1 of 2

MS Docket No.: 402697-US-NP

-3	Commence and the second se	A CONTRACTOR OF THE PROPERTY O	A CONTRACTOR OF THE PROPERTY O
- 1	***************************************	Anna anna anna anna anna anna anna anna	Landing and the commence of th
-3			
- }			
3			
-			ÿ
3		***************************************	
	0000000 1700		
		panamanna di manaman d	Liver and the contract of the

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 Signature

George KARAVAEV

Printed Name in English

August 03, 2017

Printed Name in Native Language (if other than English)

Page 2 of 2

MS Docket No.: 402697-US-NP

I Mark Gerard RICE ("A inventor of subject matter application entitled "RIGIDLY ("APPLICATION"), which:	("INVENTION") disclosed	
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (file No. Office	ASSIGNOR hereby authorepresentative, Microsoft rosoft Way, Redmond GAL REPRESENTATIVES), by by by	Technology Licensing, Washington 98052 to insert here in and given Application the following this APPLICATION's
No	and was givenby the following Office	
Microsoft Technology Liebehalf of itself and its succe desirous of acquiring, the entiright of priority, in the INVENTI patents derived therefrom, sucfor the United States, its CDERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby	authorizes, and requ	uests, ASSIGNEE'S LEGAL
REPRESENTATIVES to insert the		
following table for any APPLICA Application No.	Filing Date	office
Appication No.	Limid pace	Office
		debablicana.i.
	in the second	•••••
		<u> </u>

Page 1 of 2

MS Docket No.: 402697-US-NP

hereware the second	NAMES OF THE PROPERTY OF THE P	grow-
The second secon	ignoria de la compansión de la compansi	\$
\$	∛	
Farming the second seco	faminion in minimum annum	·
	\$ · · · · · · · · · · · · · · · · · · ·	
	L	and the second s
A STATE OF THE PARTY OF THE PAR		
	2	James and the second
		1
Z		\$

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 Signature Mark Gerard RICE	8/2/2017 Date
Printed Name in English	Printed Name in Native Language (if other than English)

Page 2 of 2