503185576 02/19/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3232193

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN E. HODGES	02/17/2015
RANVEER CHANDRA	02/11/2015
JULIA L. MEINERSHAGEN	02/19/2015
NISSANKA ARACHCHIGE BODHI PRIYANTHA	02/09/2015
ANIRUDH BADAM	01/29/2015
THOMAS MOSCIBRODA	01/30/2015
ANTHONY JOHN FERRESE	02/05/2015

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:	14624808

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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: 509-755-7262

Email: usdocket@microsoft.com

Correspondent Name: WOLFE-SBMC
Address Line 1: 601 W MAIN AVE

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	356162.01
NAME OF SUBMITTER:	CHRISTOPHER J. CULBERSON
SIGNATURE:	/Christopher J. Culberson/
DATE SIGNED:	02/19/2015

503185576 PATENT REEL: 034982 FRAME: 0968

Total Attachments: 14 source=356162_01Assignments#page1.tif source=356162_01Assignments#page2.tif source=356162_01Assignments#page3.tif source=356162_01Assignments#page4.tif source=356162_01Assignments#page5.tif source=356162_01Assignments#page6.tif source=356162_01Assignments#page7.tif source=356162_01Assignments#page8.tif source=356162_01Assignments#page9.tif source=356162_01Assignments#page9.tif source=356162_01Assignments#page10.tif source=356162_01Assignments#page11.tif source=356162_01Assignments#page12.tif source=356162_01Assignments#page13.tif source=356162_01Assignments#page13.tif source=356162_01Assignments#page14.tif

PATENT REEL: 034982 FRAME: 0969

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I <u>Stephen E. Hodges</u> ("AS inventor of subject matter ("application entitled <u>"Dynamically</u> which:	NVENTION") disclosed a	
ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Offic APPLICATION's App	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washings ATIVES), to insert here and given Application to Lication No., filing date, are 18, 2015 and was given Application for the Lication No., filing date, are 18, 2015 and was given Application No.	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this and Office, when known;
	by the following Office	T
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behalf of itself and its successors of acquiring, the entire and exception 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 inuing applications, in wh all foreign countries ("API	terest, including the right o ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
•	•	EE'S LEGAL REPRESENTATIVES
to insert the Application No., f APPLICATION DERIVATIVES after	=	the following table for any
Application No.	Filing Date	Office
Application No.	Tilling 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).

Sterdys	17 th February 2015
Inventor's Signature	Date
Stephen E. Hodges	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of	subject matter ("	INVENTION") disclosed a	inventor or an original joint and/or claimed in a patent of a Battery" ("APPLICATION"),
	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on the following Offic APPLICATION's App	ASSIGNOR hereby authorepresentative, Microsoft way, Redmond, Washing ATIVES), to insert here and given Application e and No., filing date, and control of the control	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this and Office, when known;
X	No <u>14/624,808</u>	ary 18, 2015 and was given A by the following Office";	
behalf of itse of acquiring priority, in t derived ther	elf and its successor I, the entire and ex he INVENTION and t refrom, such as con	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all c tinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES"));
	•	•	EE'S LEGAL REPRESENTATIVES the following table for any
<u>APPLICATION</u>	N 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"));

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1 ann	Chrom	1124	Fus	2015
inventor's Signature		Date		-
Ranveer Chandra				
Printed Name in English		Printed Name in Native Language		
		(if other tha	n English)	

l Iulia L. Mein	ershagen ("ASSIGNOR")	am the origina	l inventor or an original join
		_	nd/or claimed in a patent
			of a Battery" ("APPLICATION")
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	e filed. ASSIGNOR	•	•
	IEE'S legal representat One Microsoft Way, Redr		
•	REPRESENTATIVES), to		
	and giv		•
	lowing Office		
	ATION's Application No		
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No <u>14/</u>	<u>/624,808</u> by the fo	ollowing Office	
	US		
Microsoft Tec	hnology Licensing, LLC	, a Washington	limited liability company, or
behalf of itself and it	s successors and assign	is ("ASSIGNEE"),	is entitled to, and is desirous
of acquiring, the en	itire and exclusive righ	ts, title and in	terest, including the right o
priority, in the INVEN	NTION and the APPLICA	TION (and all o	ther applications and patents
derived therefrom, s	such as continuing app	lications, in wh	ole or in part, in and for the
United States, its ter	ritories, and all foreign	countries ("APF	PLICATION DERIVATIVES"));
ASSIGNOR he	reby authorizes, and re	quests, ASSIGNI	EE'S LEGAL REPRESENTATIVES
	•	•	the following table for any
	ATIVES after they are kr		,
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MS Docket No.: 356162.01

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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, management	
	2/19/2015
Invertion's Signature	Date
Julia L. Meinershagen	
Printed Name in English	Printed Name in Native Language
	(if other than English)

an original jo	oint inventor of sub ication entitled " <u>I</u>	ject matter ("INVEI	NTION") disclose	ne original inventor or ed and/or claimed in a State of a Battery'
	will be filed. ASSIGNEE'S legal of the following Offic APPLICATION's Application.	representative, Mit Way, Redmond, TATIVES), to inse	icrosoft Techno Washington 980 rt here in par olication No.	logy Licensing, 52 (ASSIGNEE'S entheses (filedby) this
\boxtimes	was filed on Februa No 14/624,808 "US			ion * Sign
behalf of itse of acquiring, priority, in the derived there United States ASSIGI to insert the	If and its successors the entire and existence in the entire and the importance in t	s and assigns ("ASS clusive rights, title he APPLICATION (a cinuing application all foreign countr zes, and requests, iling date, and O	SIGNEE"), is entite and interest, and all other appropriate or in whole or in the contract of	liability company, on led to, and is desirous including the right of plications and patents in part, in and for the ON DERIVATIVES")); GAL REPRESENTATIVES allowing table for any
Application		Filing Date	Office	

Page 1 of 2

MS Docket No.: <u>356162.01</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"));

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Inventor's Signature

Date

Nissanka Arachchige Bodhi Priyantha

Printed Name in English

<u>తునుణం 2ండవ్వంలు డాస్తున్న స్ట్రామను</u> Printed Name in Native Language

(if other than English)

inventor of	subject matter ("	INVENTION") disclosed a	nventor or an original join nd/or claimed in a paten <u>of a Battery</u> " ("APPLICATION")
	ASSIGNEE'S legal in LLC., One Microsof LEGAL REPRESENT on the following Offic	ASSIGNOR hereby authorepresentative, Microsoft it Way, Redmond, Washing ATIVES), to insert here and given Application e	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed No by) this
X	No _14/624,808	ary 18, 2015 and was given A by the following Office ";	application
behalf of itse of acquiring, priority, in th derived there	If and its successors the entire and exc te INVENTION and the efrom, such as cont	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh	limited liability company, or, is entitled to, and is desirous terest, including the right o ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
	•		EE'S LEGAL REPRESENTATIVES the following table for any
	I DERIVATIVES after		
Application		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"));

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01 29 2015
Date
Printed Name in Native Language (if other than English)
-

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MS Docket No.:	356162.01

inventor of	mas Moscibroda ("ASSIGNOR") am the original inventor or an original joint subject matter ("INVENTION") disclosed and/or claimed in a patent intitled "Dynamically Changing Internal State of a Battery" ("APPLICATION"),
	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
\boxtimes	was filed on February 18, 2015 and was given Application No. 14/624.808 by the following Office

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	
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MS Docket No.: <u>356162.01</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"));

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TAcimoda	1/30/20/5
Inventor's Signature	Date
Thomas Moscibroda	·····
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Anth</u>	<u>iony John Ferrese</u> ("ASSIGNOR") am the origin	hal inventor or an original join
inventor of	subject matter (("INVENTION") disclosed	and/or claimed in a paten
application e	ntitled " <u>Dynamica</u> l	ly Changing Internal State	of a Battery" ("APPLICATION")
which:			
	will be filed.	ASSIGNOR hereby auth	norizes, and requests,
	ASSIGNEE'S legal	representative, Microsoft	Technology Licensing,
	LLC., One Mic	rosoft Way, Redmond	, Washington 98052
	(ASSIGNEE'S LEC	GAL REPRESENTATIVES),	to insert here in
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		by	
		iling date, and Office, whe	
	Application 140., 1	ning date, and Office, with	(1041),
	was filed on Febru	ary 18, 2015 and was given	Annlication
	No 14/624,808	by the following Offic	e
	"US	, , , , , , , , , , , , , , , , , , ,	
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	- -		n limited liability company, o
			GNEE"), is entitled to, and is
desirous of a	acquiring, the enti	re and exclusive rights, t	itle and interest, including the
right of prior	ity, in the INVENTI	ON and the APPLICATION	(and all other applications and
patents deriv	/ed therefrom, suc	h as continuing application	ons, in whole or in part, in and
for the Uni	ited States, its 1	territories, and all fore	ign countries ("APPLICATION
DERIVATIVES	"));		
ASSIG	NOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGA
REPRESENTA'	TIVES to insert t	he Application No., filin	g date, and Office into the
following tab	ole for any APPLICA	TION DERIVATIVES after t	hey are known;
Application N	***************************************	Filing Date	Office

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PATENT	ASSIGNMENT	MS Docket No.:	356162.01

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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Inventor's Signature	Date
Anthony John Ferrese	
Printed Name in English	Printed Name in Native Language
	(if other than English)