### 502555275 11/01/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2600922

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GENE ROBERT OBIE	10/30/2013
YI HE	09/23/2013
DUANE MARTIN EVANS	10/03/2013
HENG HUANG	09/27/2013
MICHAEL EARL GRUBER	09/25/2013
THITIPANT TANTASIRIKORN	09/27/2013

#### RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14033501

### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 340056.01

PATENT REEL: 031531 FRAME: 0858 \$40,00 140335

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NAME OF SUBMITTER:	DANIEL T. MCGINNITY, REG# 55,444
Signature:	/Daniel T. McGinnity,#55444/
Date:	11/01/2013
Total Attachments: 12 source=340056.01 Assignments#page1.tif source=340056.01 Assignments#page2.tif source=340056.01 Assignments#page3.tif source=340056.01 Assignments#page4.tif source=340056.01 Assignments#page5.tif source=340056.01 Assignments#page6.tif source=340056.01 Assignments#page7.tif source=340056.01 Assignments#page8.tif source=340056.01 Assignments#page9.tif source=340056.01 Assignments#page10.tif source=340056.01 Assignments#page11.tif source=340056.01 Assignments#page11.tif	

PATENT REEL: 031531 FRAME: 0859

inventor of	subject matter (	"INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent <u>nt</u> " ("APPLICATION"), which:
	ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No	ASSIGNOR hereby autrepresentatives, of the Lacosoft Corporation, One Modern Mod	aw and Corporate Affairs ficrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
$\boxtimes$	was filed on Septe	ember 22, 2013 and was	given Application
		<u>,501</u> by the fo ";	llowing Office
successors a entire and ea (and all oth applications,	nd assigns ("ASSIO xclusive rights, titl ner applications a	GNEE"), is entitled to, and le and interest in the INVand patents derived the	on, on behalf of itself and its d is desirous of acquiring, the /ENTION and the APPLICATION erefrom, such as continuing ries, and all foreign countries
REPRESENTA	TIVES to insert t	he Application No., fili	juests, ASSIGNEE'S LEGAL
Application N		TION DERIVATIVES after t Filing Date	Office

MS Docket No.: 340056.01

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 in the INVENTION and the APPLICATION (and 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

Gene Robert Obie

Printed Name in English

<u> 10/30/20/3</u>

Date

GENE OBIE

Printed Name in Native Language

(if other than English)

	disclosed and/or claimed	or an original joint inventor o in a patent application entitled which:
ASSIGNEE'S legatement, Mi Washington 980 here in paren Application Office	ASSIGNOR hereby authors all representatives, of the Lacrosoft Corporation, One MD52 (ASSIGNEE'S LEGAL REPortheses (filed on	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert and given by the following this APPLICATION's
	otember 22, 2013 and was of the following states of th	
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entire and exclusive rights, to (and all other applications	title and interest in the INV and patents derived th United States, its territor	d is desirous of acquiring, the /ENTION and the APPLICATION erefrom, such as continuing ries, and all foreign countries
•	the Application No., filin	juests, ASSIGNEE'S LEGAI ng date, and Office into the
Application No.	Filing Date	Office

MS Docket No.: <u>340056.01</u>

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\$	09/23/2013
Inventor's Signature	Date
Yi He	恒计台
Printed Name in English	Printed Name in Native Language
	(if other than English)

<u>-                                    </u>	matter ("INVENTION")	disclosed and/or	ntor or an original join claimed in a paten PLICATION"), which:
ASSIGNEE Departme Washington here in Application Office	filed. ASSIGNOR he'S legal representative ent, Microsoft Corporation 98052 (ASSIGNEE'S parentheses (filed on No.	s, of the Law and cion, One Microsof LEGAL REPRESENT n by ) this	Corporate Affairs It Way, Redmond, ATIVES), to insert and given the following APPLICATION's
oxtimes was filed	on <u>September 22, 201</u>	3 and was given A	pplication
	14/033,501 US		Office
successors and assign entire and exclusive ri (and all other applic	s ("ASSIGNEE"), is enting ghts, title and interest ations and patents or the United States,	tled to, and is de in the INVENTIOI derived therefron	behalf of itself and its sirous of acquiring, the N and the APPLICATION n, such as continuing Id all foreign countries
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following table for any 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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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2/1/6	3 OCT 2013
Inventor's Signature	Date
Duane Martin Evans	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>340056.01</u>

	DN") disclosed and/or cla	tor or an original joint inventor imed in a patent application ATION"), which:
ASSIGNEE'S legal Department, Mic Washington 980 here in parent Application N Office	ASSIGNOR hereby auth representatives, of the La rosoft Corporation, One M52 (ASSIGNEE'S LEGAL REPINESES (filed on	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert and given by the following ) this APPLICATION's
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successors and assigns ("ASS entire and exclusive rights, ti (and all other applications	GNEE"), is entitled to, and tle and interest in the INV and patents derived the United States, its territor	n, on behalf of itself and its I is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
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following table for any APPLIC.		hey are known;
Application No.	Filing Date	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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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1 Inventor's Signature	9/27/13 Date
Heng Huang	
Printed Name in English	Printed Name in Native Language
	(if other than English)

l <u>Michael Earl Gruber</u> ("AS	SIGNOR") am the origina	l inventor or an original joint		
inventor of subject matter ("II	NVENTION") disclosed a	and/or claimed in a patent		
application entitled "Accessory D	evice Power Management	t" ("APPLICATION"), which:		
☐ will be filed. A  ASSIGNEE'S legal re  Department, Micros  Washington 98052  here in parenthes  Application No.	ASSIGNOR hereby authoresentatives, of the Lav soft Corporation, One Mi (ASSIGNEE'S LEGAL REPR ses (filed on	orizes, and requests, v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following		
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Аррисатіон ічо., тіні	ng date, and Office, whe	n known;		
was filed on Septem	nhär 22-2013 and was d	iven Annlication		
was filed on <u>September 22, 2013</u> and was given Application  No $\underline{14/033,501}$ by the following Office				
"US";				
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successors and assigns ("ASSIGN entire and exclusive rights, title (and all other applications an applications, in and for the Un ("APPLICATION DERIVATIVES"));	and interest in the INVI nd patents derived the	ENTION and the APPLICATION refrom, such as continuing		
ASSIGNOR hereby au	uthorizes, and requ	iests, ASSIGNEE'S LEGAL		
REPRESENTATIVES to insert the Application No., filing date, and Office into the				
following table for any APPLICATI	ION DERIVATIVES after th	ey are known;		
Application No. F	Filing Date	Office		

Page 1 of 2

MS Docket No.: 340056.01

MS Docket No.: 340056.01

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 in the INVENTION and the APPLICATION (and 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).

unds. W	Sept 25, 2013	
Inventor's Signature	Date	
Michael Earl Gruber		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I <u>Thitipant Tantasirikorr</u>	<u>1</u> ("ASSIGNOR") am the or	iginal inventor or an origina			
joint inventor of subject matte	er ("INVENTION") disclose	d and/or claimed in a paten			
application entitled "Accessory	Device Power Managemen	<u>t</u> " ("APPLICATION"), which:			
$\square$ will be filed.	ASSIGNOR hereby auth	orizes, and requests,			
ASSIGNEE'S legal	ASSIGNEE'S legal representatives, of the Law and Corporate Affairs				
<u> </u>	Department, Microsoft Corporation, One Microsoft Way, Redmond,				
•	Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert				
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	iling date, and Office, whe				
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successors and assigns ("ASSIG entire and exclusive rights, tit (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	le and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing			
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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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES):

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Inventor's Signature

Thitipant Tantasirikorn

Printed Name in English

**RECORDED: 11/01/2013** 

9/27/13

ชิติมันธ์ ทันตคิริก

MS Docket No.: 340056.01

Printed Name in Native Language

(if other than English)