504311535 04/07/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4358217

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUNXIN LIU	08/03/2013
CHUNSHUI ZHAO	07/23/2013
YONGGUANG ZHANG	07/11/2013

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:	15392536

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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: leanns@leehayes.com
Correspondent Name: LEE & HAYES, PLLC

Address Line 1:601 WEST RIVERSIDE, SUITE 1400Address Line 4:SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	MS1-5415USC1
NAME OF SUBMITTER:	LEANN M CARMAN
SIGNATURE:	/LeAnn M Carman/
DATE SIGNED:	04/07/2017

Total Attachments: 6

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> PATENT REEL: 041928 FRAME: 0968

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> PATENT REEL: 041928 FRAME: 0969

PATENT	ASSIGNMENT	MS Docket No.:	339472.01
	Att	orney Docket No.:	MS1- 5415US
IYunxin	Liu	("ASSIGNOR") am	the original inventor
or an original joint inventor o	f subject matter ("	INVENTION") disclo	osed and/or claimed
in a patent application entitled			
	AUTOMATED CHA	RGING	
("APPLICATION"), which:			
oxtimes will be filed.	ASSIGNOR here	by authorizes, a	nd requests,
ASSIGNEE'S legal	representatives, c	of the Law and Corp	porate Affairs
Department, Mic	rosoft Corporation	, One Microsoft Wa	ay, Redmond,
		GAL REPRESENTATIV	VES), to insert
	neses (filed on		_ and given
	-	the following Offic	
	and Trademark filing date, and Of	Office) this A	PPLICATION'S
	_	as given Applicatio	n No
		Office " <u>US – United</u>	
<u>and Trademark C</u>	· -	Office <u>05 Officeu</u>	<u>States Faterit</u>
Microsoft Corporation,		rporation, on beh	alf of itself and its
successors and assigns ("ASS	-	•	
entire and exclusive rights, ti	tle and interest in	the INVENTION ar	nd the APPLICATION
(and all other applications	•		_
applications, in and for the		territories, and a	ll foreign countries
("APPLICATION DERIVATIVES"))	•		
ASSIGNOR hereby	authorizes, an	d requests, A	SSIGNEE'S LEGAL
REPRESENTATIVES to insert	•	•	
following table for any APPLICA			
Application No.	Filing Date	Office	

Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 339472.01

Attorney Docket No.: MS1-5415US

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

Yanxan Liu

Printed Name in English

2013.8.3

Date

Printed Name in Native Language (if other than English)

PATENT	ASSIGNMENT	MS Docket No.:	339472.01
	Atte	orney Docket No.:	MS1- 5415US
Chunshui Z		and the second s	
or an original joint inventor of	subject matter ("	NVENTION") disclo	sed and/or claimed
in a patent application entitled			
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("APPLICATION"), which:	·····		<u> </u>
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Department, Micro	osoft Corporation	, One Microsoft Wa	ıy, Redmond,
Washington 9805	2 (ASSIGNEE'S LEC	AL REPRESENTATIV	ES), to insert
here in parenth	eses (filed on	August 6, 2013	and given
Application No1	3/960,580 by	the following Office	e <u>US – United</u>
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Microsoft Corporation,			
successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION			
(and all other applications			
applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));			
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ASSIGNOR hereby	authorizes, and	d requests, A	SSIGNEE'S LEGAL
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following table for any APPLICA	TION DERIVATIVE	S after they are kno	own;
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 339472.01

Attorney Docket No.: MS1-5415US

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Chundrii Zhoo	2013.7.23	
Inventor's Signature	Date	75°
Chunshui Zhao	赵春水	
Printed Name in English	Printed Name in Native Language	***
	(if other than English)	

PA	ATENT ASSIGNMENT	MS Docket No.:	339472.01
	A^{\cdot}	ttorney Docket No.:	MS1- 5415US
IY	ongguang Zhang	("ASSIGNOR") am	the original inventor
or an original joint inve	entor of subject matter	("INVENTION") disclo	osed and/or claimed
in a patent application	entitled		
	AUTOMATED CH	ARGING	
("APPLICATION"), which	:		
🗵 will be	filed. ASSIGNOR her	eby authorizes, a	nd requests,
ASSIGNEE	'S legal representatives,	of the Law and Cor	porate Affairs
Departme	nt, Microsoft Corporatio	n, One Microsoft Wa	ay, Redmond,
Washingto	on 98052 (ASSIGNEE'S LE	EGAL REPRESENTATIV	√ES), to insert
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following table for any	APPLICATION DERIVATIV	'ES after they are kno	own;
Application No.	Filing Date	Office	

PATENT ASSIGNMENT MS Docket No.: 339472.01

Attorney Docket No.: MS1-5415US

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Inventor's Signature

Date

Yongguang Zhang

Printed Name in English

Printed Name in Native Language

(if other than English)