504391604 05/31/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRAVEEN BALASUBRAMANIAN	09/04/2013
POORNANANDA R. GADDEHOSUR	09/01/2013
DAVID GARFIELD THALER III	09/04/2013
DMITRY A. ANIPKO	09/04/2013
CHRISTOPHER BENJAMIN PALMER	09/04/2013

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:	15298117

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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: 8164746550

Email: ncavazos@shb.com

Correspondent Name: SHOOK, HARDY & BACON L.L.P.

Address Line 1: 2555 GRAND BOULEVARD

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	339375-US-CNT/MFCP.260495
NAME OF SUBMITTER:	GEORGE-LEONARD N. NGENGWE
SIGNATURE:	/GEORGE-LEONARD N. NGENGWE/
DATE SIGNED:	05/31/2017

Total Attachments: 10

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PATENT REEL: 042549 FRAME: 0256

EPAS ID: PAT4438301

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PATENT REEL: 042549 FRAME: 0257

I, <u>PRAVEEN BALASUBRA</u>	<u>MANIAN</u> ("ASSIGNOR") am	n the original inventor or an
original joint inventor of subje	ct matter ("INVENTION") o	disclosed and/or claimed in a
nonprovisional patent applicat	ion entitled "PATTERN (COALESCING FOR REMOTE
WAKE-ENABLED APPLICATION	\mathbf{ONS} " ("APPLICATION"), wh	ich:
ASSIGNEE'S legal Grand Blvd., Kar customer number here in parenthes No. $\frac{140}{1}$	representatives, of Shook nsas City, Missouri 6410 45809 (ASSIGNEE'S LEGA	authorizes, and requests, A, Hardy & Bacon L.L.P., 2555 B, who are associated with L REPRESENTATIVES), to insert and given Application the following
Application No., fi	ling date, and Office, whe	n known;
was filed No Office	on a by	nd was given Application the following
REPRESENTATIVES to insert the	le and interest in the INV and patents derived the United States, its territori authorizes, and requ he Application No., filin	ENTION and the APPLICATION erefrom, such as continuing es, and all foreign countries uests, ASSIGNEE'S LEGAL date, and Office into the
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office

Page 1 of 2

5855443 v1

PATENT REEL: 042549 FRAME: 0258

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);

Juane 12	09/04/2013
Inventor's Signature	Date
PRAVEEN BALASUBRAMANIAN	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No. 339375.02 (OC Docket No. MFCP.188083)

PATENT ASSIGNMENT

I, <u>POORNANANDA R. GAI</u>	<u> DDEHOSUR</u> ("ASSIGNOR") a	am the original inventor or an
original joint inventor of subje	ct matter ("INVENTION") o	lisclosed and/or claimed in a
nonprovisional patent applicati	on entitled "PATTERN C	COALESCING FOR REMOTE
WAKE-ENABLED APPLICATION	ONS" ("APPLICATION"), wh	ich:
Grand Blvd., Kan customer number here in parenthes No. 140 Office US-Uni	representatives, of Shook sas City, Missouri 6410 45809 (ASSIGNEE'S LEGAles (filed on $\frac{2013-09-05}{19243}$ by	authorizes, and requests, Hardy & Bacon L.L.P., 2555 k, who are associated with REPRESENTATIVES), to insert and given Application the following Office this APPLICATION's n known;
was filed	on a	nd was given Application
No	by	the following
Office	-	J
successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the L ("APPLICATION DERIVATIVES"));	ENEE"), is entitled to, and e and interest in the INV and patents derived the Inited States, its territori	ention and the APPLICATION erefrom, such as continuing es, and all foreign countries uests, ASSIGNEE'S LEGAL
following table for any APPLICA	TION DERIVATIVES after the	ney are known;
Application No.	Filing Date	Office

Page 1 of 2

5855459 v1

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);

<u> </u>	9-1-2013
Inventor's Signature	Date
POORNANANDA R. GADDEHOSUR	ಪೊ ಪಾಗಿನೆಂದೆ
Printed Name in English	Printed Name in Native Language
_	(if other than English)

i, <u>DAVID GARFIELD THA</u> original joint inventor of subje nonprovisional patent applicati WAKE-ENABLED APPLICATIO	ct matter ("INVENTION") o on entitled " PATTERN C	COALESCING FOR REMOTE
ASSIGNEE'S legal Grand Blvd., Kan customer number here in parenthes No. 14019 Office US - Unite	representatives, of Shook sas City, Missouri 6410 45809 (ASSIGNEE'S LEGA es (filed on 2013-09-05	
was filed No Office	on a 	nd was given Application the following
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	INEE"), is entitled to, and e and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert to following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

Page I of 2

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):

David Har III Inventor's Signature	9/4/2013 Date
DAVID GARFIELD THALER III Printed Name in English	Printed Name in Native Language (if other than English)

I, <u>DMITRY A. ANIPKO</u> ("A	ASSIGNOR") am the origina	al inventor or an original joint
inventor of subject matter ("IN	/ENTION") disclosed and/o	or claimed in a nonprovisional
patent application entitled	"PATTERN COALESCIN	IG FOR REMOTE WAKE-
ENABLED APPLICATIONS" ("/	APPLICATION"), which:	
will be fi	led. ASSIGNOR hereby	 authorizes, and requests,
ASSIGNEE'S legal	representatives, of Shook	, Hardy & Bacon L.L.P., 2555
	·	8, who are associated with
customer number	45809 (ASSIGNEE'S LEGA	L REPRESENTATIVES), to insert
here in parenthes	ses (filed on $2013-09-05$	and given Application
No. <u>140</u> 2	19243 by	the following
Office US - Unite	d States Patent and Trademak Of	်းငဲ့ this APPLICATION's
Application No., f	ling date, and Office, whe	n known;
was filed	on a	nd was given Application
No	by	the following
Office		
entire and exclusive rights, title (and all other applications a applications, in and for the United Processing States of the Company of the	le and interest in the INV and patents derived the United States, its territori authorizes, and requ he Application No., filing	ENTION and the APPLICATION erefrom, such as continuing es, and all foreign countries uests, ASSIGNEE'S LEGAL date, and Office into the
Application No.	Filing Date	Office
	,	
	,	

Page 1 of 2

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);

Duren	09/04/2013
Inventor's Signature	Date
DMITRY A. ANIPKO	HMUTPHA AHUTKO
Printed Name in English	Printed Name in Native Language

I, <u>CHRISTOPHER BENJAM</u>	<u>IN PALMER</u> ("ASSIGNOR") a	ım the original inventor or an	
original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a			
nonprovisional patent application entitled "PATTERN COALESCING FOR REMOTE			
WAKE-ENABLED APPLICATIONS" ("APPLICATION"), which:			
will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Shook, Hardy & Bacon L.L.P., 2555 Grand Blvd., Kansas City, Missouri 64108, who are associated with customer number 45809 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in pareneheses (filed on 2013-09-05 and given Applicaeion No. 14019243 by the following Office US-United States Patent and Trademak Office) this APPLICATION's Application No., filing date, and Office, when known;			
No Office	by	nd was given Application the following	
Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, 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	

Page 1 of 2

5855505 v1

PATENT REEL: 042549 FRAME: 0266

MS Docket No. 339375.02 (OC Docket No. MFCP.188083)

PATENT ASSIGNMENT

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).

Care Un	September 4, 2013
Inventor's Signature	Date
CHRISTOPHER BENJAMIN PALMER	
Printed Name in English	Printed Name in Native Language (if other than English)

Page 2 of 2

RECORDED: 05/31/2017