503011621 10/08/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3058221

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL COSTENARO	09/30/2014
ELIZABETH HOLZ	10/07/2014
ALESSIO ROIC	10/02/2014
JEDIDIAH BROWN	09/30/2014

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
Internal Address:	C/O ASSAL MEFTAHI	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14500923	

CORRESPONDENCE DATA

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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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Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

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ATTORNEY DOCKET NUMBER:	334895.08
NAME OF SUBMITTER:	CARL K TURK
SIGNATURE:	/Carl K Turk/
DATE SIGNED:	10/08/2014

Total Attachments: 8

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PATENT REEL: 033916 FRAME: 0852

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PATENT REEL: 033916 FRAME: 0853

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	ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthese Noby	ASSIGNOR hereby author epresentatives, of the Law isoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRING (Filled on	and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given Application
	was filed on <u>Septer</u> No. 14/500,923 States Patent and T	in agent into the control of the con	ven Application ving Office " <u>United</u>
successors ar entire and ex INVENTION a therefrom, su States, its terr ASSIGN to insert the	nd assigns ("ASSIG cclusive rights, titl nd the APPLICATI ch as continuing a itories, and all fore OR hereby authori Application No., f	NEE"), is entitled to, and e and interest, including ON (and all other applications, in whole or isign countries ("APPLICATI zes, and requests, ASSIGN liling date, and Office into	, on behalf of itself and its is desirous of acquiring, the the right of priority, in the cations and patents derived in part, in and for the United ON DERIVATIVES")); EE'S LEGAL REPRESENTATIVES the following table for any
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Page 1 of 2

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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, 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).

	Sbt 30, 2014
Inventor(s Signature	Date
Daniel Costenaro	
	Pairtand Manna in Makina i namanana
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of s application e	ubject matter ("INVE	OR") am the original inven ENTION") disclosed and/or <u>AVIGATION BAR FOR EXPA</u> 1:	claimed in a patent
	ASSIGNEE'S legal re Department, Micro Washington 98052 here in parenthese Noby	ASSIGNOR hereby author epresentatives, of the Law soft Corporation, One Mic (ASSIGNEE'S LEGAL REPRE s (filed on the following Office s Application No., filing o	and Corporate Affairs rosoft Way, Redmond, SENTATIVES), to insert and given Application
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Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: <u>334895.08</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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194. Ostal O	Ont 7, 2014
Inventor's Signature	Oct 7, 2014 Date
Elizabeth Holz	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

of subject m	atter ("INVENTION") IAMIC NAVIGATION	disclosed and/or	inventor or an original J claimed in a patent appl ED COMMUNICATION SE	ication	
	will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, 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) this APPLICATION's Application No., filing date, and Office, when known;				
	was filed on September No. 14/500,923 States Patent and	by tl	d was given Application he following Office <u>"Unit</u>	ted	
successors a entire and e INVENTION therefrom, s States, its te	and assigns ("ASSIG exclusive rights, tit and the APPLICAT uch as continuing a rritories, and all for	NEE"), is entitled le and interest, in ION (and all othe applications, in wi eign countries ("Al	poration, on behalf of to, and is desirous of a cluding the right of poer applications and pathole or in part, in and for perication DERIVATIVES	acquiring, the riority, in the tents derived for the United 5"));	
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PATENT REEL: 033916 FRAME: 0858

MS Docket No.: <u>334895.08</u>

PATENT ASSIGNMENT

ASSIGNMENT	MS Docket No.:	<u>334895.08</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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Alessio Roic Printed Name in Native Language Printed Name in English (if other than English)

I <u>Jedidiah Brown</u> ("ASSI inventor of subject matter ('application entitled <u>"DYNAMIC SERVICE</u> " ("APPLICATION"), which	'INVENTION") disclosed a C NAVIGATION BAR FOR	•
ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthese Noby	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One Mic (ASSIGNEE'S LEGAL REPRESES (filed on) the following Office	and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given Application
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Page 1 of 2

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Invertor's Signature $\frac{\sqrt{30/2014}}{Date}$

Jedidiah Brown

RECORDED: 10/08/2014

Printed Name in English

Printed Name in Native Language (if other than English)

Page 2 of 2