502568353 11/13/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2614181

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL W. GARNETT	10/08/2013
AMER A. HASSAN	10/08/2013
PAUL W.A. MITCHELL	10/07/2013
JEFFREY Z. YAN	11/12/2013

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:	14079391

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	339583.01
NAME OF SUBMITTER:	PHILLIP A. CAMERON
Signature:	/Phillip A. Cameron/
	BATELIT

502568353 PATENT REEL: 031596 FRAME: 0485

Date:	11/13/2013
Total Attachments: 8 source=339585-01_Assignment_GARNETT source=339585-01_Assignment_GARNETT source=339583-01_Assignment_HASSAN_ source=339583-01_Assignment_HASSAN_ source=339585-01_Assignment_MITCHELI source=339585-01_Assignment_YAN_asFil source=339585-01_Assignment_YAN_asFil	_asFiled_2013-11-13#page2.tif asFiled_2013-11-13#page1.tif asFiled_2013-11-13#page2.tif _asFiled_2013-11-13#page2.tifasFiled_2013-11-13#page1.tifasFiled_2013-11-13#page2.tif ed_2013-11-13#page1.tif

PATENT REEL: 031596 FRAME: 0486

PATENT ASSIGNMENT MS Docket No.: 339585.01

I Paul W. Garnett ("ASS inventor of subject matter (application entitled "RADIO CHA	"INVENTION") disclosed	•
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No. <u>14</u> <u>States Patent</u>	ASSIGNOR hereby auth representatives, of the Law osoft Corporation, One Mi 2 (ASSIGNEE'S LEGAL REPR eses (filed on November 13/079,391 by the followand Trademark Office) iling date, and Office, whe	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert 3, 2013 and given wing Office <u>US – United</u> this APPLICATION's
	and was given by the following Office";	Application No
Microsoft Corporation, successors and assigns ("ASSIC entire and exclusive rights, tit (and all other applications applications, in and for the language ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA		g date, and Office into the
Application No.	Filing Date	Office
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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):

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).

Paul W. Garnett
Printed Name in English
Printed Name in English
Printed Name in English
Printed Name in Native Language (if other than English)

MS Docket No.: <u>339585.01</u>

MS Docket No.: 339583.01 I Amer A. Hassan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RADIO CHANNEL UTILIZATION" ("APPLICATION"), which: 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 November 13, 2013 and given Application No. 14/079,391 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No by the following Office 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

PATENT ASSIGNMENT MS Docket No.: 339585.01

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Ame Ha	Oct 8, 2013
Inventor's Signature	Date
Amer A. Hassan	·
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339585.01 I Paul W.A. Mitchell ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RADIO CHANNEL UTILIZATION" ("APPLICATION"), which: 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 November 13, 2013 and given Application No. 14/079.391 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No _____ by the following Office 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")): LEGAL ASSIGNEE'S requests, ASSIGNOR hereby authorizes, and REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Filing Date Application No.

Page 1 of 2

PATENT REEL: 031596 FRAME: 0492

PATENT ASSIGNMENT

MS Docket No.: 339585.01

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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Paul W.A. Mitchell Paul Wame in English	Printed Name in Native Language (if other than English)
Inventor's Signature	əjsQ
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MS Docket No.: 339583.01

I Jeffrey Z. Yan ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "RADIO CHANNEL UTILIZATION" ("APPLICATION"), which:

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	Wasl	ning	ton 980	52 (AS	SIGNEE	'S LEG	AL REPRE	SENTA	TIVES), to	insert
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	State	25	<u>Patent</u>	<u>and</u>	<u>Trade</u>	<u>mark</u>	Office)	this	APPL	ICA1	ΓΙΟΝ's
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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:

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Derfuf	nov. 12, 2013
Inventor's Signature	Date
Jeffrey Z. Yan	
Printed Name in English	Printed Name in Native Language
	(if other than English)