503120883 12/31/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VISHWAC SENA KANNAN	12/22/2014
ALEKSANDAR UZELAC	12/29/2014
JONATHAN CAMPBELL	12/22/2014
DANIEL J. HWANG	12/22/2014

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14586449

CORRESPONDENCE DATA

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PORTLAND, OREGON 97204

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ATTORNEY DOCKET NUMBER: 3382-93947-01

ATTORNEY DOCKET NUMBER:	3382-93947-01
NAME OF SUBMITTER:	CORY A. JONES
SIGNATURE:	/Cory A. Jones/
DATE SIGNED:	12/31/2014

Total Attachments: 8

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PATENT 503120883 REEL: 034608 FRAME: 0624



PATENT ASSIGNMENT

I, Vishwac Sena Kannan (" joint inventor of subject matter application entitled "DISCOVERIN RESOURCES" ("APPLICATION"), w	NG CAPABILITIES OF THIRD	nd/or claimed in a patent
legal representa Microsoft Way, F REPRESENTATIV and given Applic United States Pa	tives, of Microsoft Techno Redmond, Washington 980	252 (ASSIGNEE'S LEGAL theses (filed on <u>12/30/2014</u> , the following Office: e) this APPLICATION's
	and was given App fice "United States Patent	olication No by and Trademark Office";
Microsoft Technology Lice behalf of itself and its successor desirous of acquiring, the entire right of priority, in the INVENTIC patents derived therefrom, such for the United States, its territor DERIVATIVES"));	rs and assigns ("ASSIGNEE" and exclusive rights, title ON and the APPLICATION (a as continuing application	and interest, including the and all other applications and s, in whole or in part,in and
ASSIGNOR hereby authori to insert the Application No., fili APPLICATION DERIVATIVES after	ng date, and Office into th	IEE'S LEGAL REPRESENTATIVES ne 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, 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).

V. v. shwan	12 22 14
Inventor's Signature	Date
Vishwac Sena Kannan	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT ASSIGNMENT

,		SIGNOR"), am the original i ENTION") disclosed and/or	nventor or an original joint claimed in a patent
		IG CAPABILITIES OF THIRD	
· -	PPLICATION"), w		
	legal representa Microsoft Way, F REPRESENTATIVI and given Applic United States Pa	tives, of Microsoft Technol Redmond, Washington 980	52 (ASSIGNEE'S LEGAL heses (filed on 12/30/2014, the following Office: this APPLICATION's
		and was given App fice "United States Patent a	olication No by and Trademark Office";
behalf of itself a desirous of acq right of priority patents derived	and its successor uiring, the entire , in the INVENTIC therefrom, such tates, its territor	rs and assigns ("ASSIGNEE" and exclusive rights, title ON and the APPLICATION (a	and interest, including the and all other applications and s, in whole or in part,in and
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All III	2014/12/29
Inventor's Signature	Date
Aleksandar Uzelac	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of subject matter ("	INVENTION") disclosed a ERING CAPABILITIES OF	riginal inventor or an original joint and/or claimed in a patent THIRD–PARTY VOICE–ENABLED
legal repress Microsoft Wa REPRESENTA and given A United State	entatives, of Microsoft T ay, Redmond, Washingto TIVES) to insert here in oplication No. <u>14/586,448</u>	forizes, and requests, ASSIGNEE'S fechnology Licensing, LLC., One on 98052 (ASSIGNEE'S LEGAL parentheses (filed on 12/30/2014, by the following Office: Coffice) this APPLICATION's fice, when known;
		en Application No by Patent and Trademark Office";
behalf of itself and its succe desirous of acquiring, the en right of priority, in the INVE	ssors and assigns ("ASS ntire and exclusive right NTION and the APPLICA such as continuing appli	ington limited liability company, on IGNEE"), is entitled to, and is is, title and interest, including the TION (and all other applications and ications, in whole or in part, in and countries ("APPLICATION
ASSIGNOR hereby aut	thorizes, and requests, a	ASSIGNEE'S LEGAL REPRESENTATIVES into the following table for any
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| Date |

PATENT ASSIGNMENT

I, Daniel J. Hwang ("ASSIGN	·	
inventor of subject matter ("INVEI		
application entitled "DISCOVERING RESOURCES" ("APPLICATION"), wh		-PARTT VOICE-ENABLED
legal representati Microsoft Way, Re REPRESENTATIVES and given Applica United States Pate	ives, of Microsoft Technol edmond, Washington 980	52 (ASSIGNEE'S LEGAL heses (filed on 12/30/2014, the following Office:) this APPLICATION's
	and was given App ice "United States Patent a	lication No by and Trademark Office";
behalf of itself and its successors desirous of acquiring, the entire a right of priority, in the INVENTION patents derived therefrom, such a for the United States, its territories DERIVATIVES"));	and assigns ("ASSIGNEE") and exclusive rights, title N and the APPLICATION (a as continuing applications es, and all foreign countri	and interest, including the and all other applications and s, in whole or in part,in and es ("APPLICATION
ASSIGNOR hereby authoriz	es, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the Application No., filin APPLICATION DERIVATIVES after t		e following table for any
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Inventor's Signature

Date

Daniel J. Hwang

Printed Name in English

Printed Name in Native Language (if

other than English)

PATENT REEL: 034608 FRAME: 0633

RECORDED: 12/31/2014