PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARY L CALDWELL	09/07/2011
STEVEN PAUL GEFFNER	09/07/2011
C. JOE COPLEN	09/07/2011
CHRISTOPHER HUGH PRATLEY	09/07/2011
MICHAEL H. AMMERLAAN	09/08/2011
STEVEN TODD ZASKE	09/07/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14949123

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SIGNATURE:	/Andrew T. Pouzeshi/	
DATE SIGNED:	12/01/2015	

Total Attachments: 6

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PATENT REEL: 037181 FRAME: 0459

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PATENT REEL: 037181 FRAME: 0460

PATENT ASSIGNMENT

I/WE, Gary L. Caldwell, Steven Paul Geffner, C. Joe Coplen, Christopher Hugh Pratley, Michael H. Ammerlaan, Steven Todd Zaske ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CLOUD-BASED BROKER SERVICE FOR DIGITAL ASSISTANTS" ("APPLICATION"), which:

	will be filed without this executed PATENT ASSIGNMENT.
	ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal
	representatives of the Law and Corporate Affairs Department,
	Microsoft Corporation, One Microsoft Way, Redmond
	Washington 98052, who are associated with customer number
	27488, to insert here in parenthesis (Application No
	, filed) this APPLICATION's Application No. and
	filing date, when known;
	was filed on and was given Application No
X	is filed concurrently herewith;

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"));

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, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

PATENT ASSIGNMENT

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).

Bull	9/7/11
Inventor's Signature	Date
Gary L. Caldwell	
Printed Name in English	Printed Name in Native Language (if
	other than English)

| Printed Name in English | Printed Name in Native Language (if other than English)

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C/7-	9/-1/2011
Inventør's Signature C. Joe Coplen	Date Output Date Date
Printed Name in English	Printed Name in Native Language (if other than English)

STATE OF THE PROPERTY OF THE P	
Inventor's Signature	Date
Christopher Hugh Pratley	Analysis (1997)
Printed Name in English	Printed Name in Native Language (if other than English)

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Inventor's Signature	vace
C. Joe Coplen	
Printed Name in English	Printed Name in Native Language (i
	other than English)
	Z 9/7/2011

other than English)

PATENT ASSIGNMENT

Me And Inventor's Signature	9/8/7011 Date
Michael H. Ammerlaan	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Steven Todd Zaske	
Printed Name in English	Printed Name in Native Language (if

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Inventor's Signature Date

Steven Todd Zaske

Printed Name in English Printed Name in Native Language (if other than English)

9/7/11

RECORDED: 12/01/2015 REEL: 037181 FRAME: 0466