PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4281199

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MURAT AKBACAK	04/23/2015
DILEK Z. HAKKANI-TUR	04/14/2014
GOKHAN TUR	04/15/2015
LARRY P. HECK	05/15/2015
BENOIT DUMOULIN	05/15/2015

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:	14278659

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: 816-474-6550
Email: rebrown@shb.com

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

Address Line 1: 2555 GRAND BLVD.

Address Line 2: INTELLECTUAL PROPERTY DEPARTMENT

Address Line 4: KANSAS CITY, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	340623-US-NP/MFCP.199892
NAME OF SUBMITTER:	MOLLIE M. SMITH
SIGNATURE:	/MOLLIE M. SMITH/
DATE SIGNED:	02/17/2017
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Total Attachments: 10

PATENT REEL: 041289 FRAME: 0982

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inventor of subject matter ("IN" patent application entitled "JUNDERSTANDING DOMAI	VENTION") disclosed and/ LANGUAGE MODELING	G FOR CONVERSATIONAL		
("APPLICATION"), which:				
ASSIGNEE'S legal 2555 Grand Blv associated with REPRESENTATIVES on No. Patent and Trade filing date, and Of	ASSIGNOR hereby auth representatives, of Shook vd., Kansas City, Misso customer number 4580), to insert here in and by the following Office, when known; May 15, 2014 and was series and was 15, 2014	Hardy & Bacon L.L.P., ouri 64108, who are 09 (ASSIGNEE'S LEGAL parentheses (filed given Application ce US - United States TION's Application No.,		
No. <u>14/278,659</u>	by the <u>ent and Trademark Office;</u>			
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

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).

	04/23/2015
Inventor's Signature	Date
Murat Akbacak	y
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Dilek Z. Hakkani-Tur</u> ("inventor of subject matter ("INV patent application entitled "JUNDERSTANDING DOMAI	VENTION") disclosed and/o LANGUAGE MODELING	G FOR CONVERSATIONAL		
("APPLICATION"), which:				
was filed on and was given Application No by the following Office <u>US - United States</u> Patent and Trademark 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				
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Inventor's Signature

Date

Dilek Z. Hakkani-Tuez

Dilek Z. Hakkani-Tue

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Printed Name in Native Language

(if other than English)

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			ned in a nonprovisional paten
application	\		FOR CONVERSATIONAL
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	No. <u>14/278,659</u>	May 15, 2014 and v by the int and Trademark Office:	
successors are entire and ex (and all oth applications,	nd assigns ("ASSIC clusive rights, tit er applications a	ONEE"), is entitled to, and le and interest in the INV and patents derived the	n, on behalf of itself and its I is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
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Inventor's Signature

COKHAN TUR

Printed Name in English

Printed Name In Native Language
(if other than English)

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		FOR CONVERSATIONAL
UNDERSTANDING DOMA		-
("APPLICATION"), which:		
ASSIGNEE'S legal 2555 Grand Black associated with REPRESENTATIVES given Application United States Pa Application No., f	ASSIGNOR hereby auth representatives, of Shook vd., Kansas City, Misso customer number 4586, to insert here in parent No by the tent and Trademark Office, whe May 15, 2014 and way 15, 2014	t, Hardy & Bacon L.L.P., ouri 64108, who are 09 (ASSIGNEE'S LEGAL heses (filed on and ne following Office <u>US - ce</u>) this APPLICATION's on known;
No. <u>14/278,65</u>	9 States Patent and Traden	by the following
Microsoft Corporation, successors and assigns ("ASSIGE entire and exclusive rights, tit (and all other applications applications, in and for the C ("APPLICATION DERIVATIVES");	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
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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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

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Jana Hed	5-15-2015
Inventor's Signature	Date
Larry Hack	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No. 340623.01 (OC Docket No. MFCP.199892)

PATENT ASSIGNMENT

1	Benoit Dun	<u>10ulin</u> ("A	SSIGNOR	(") am	the original	invento	r or an	original	ioint
inventor	of subject	matter ("Il	NVENTIO	N") dis	closed and/	or claim	ed in a	nonprovis	ional
patent	application	entitled	"LANGI	JAGE	MODELING	FOR	CONV	ERSATIO	NAT.
<u>UNDER</u>	<u>STANDING</u>	DOM/	INS	USING	SEMAN	ric v	VEB	RESOUR	CES"
("APPLIC	ATION"), wh	ich:				******************************			***********

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was filed on May 15, 2014 and was given Application No. 14/278,659 by the following Office US - United States Patent and Trademark 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");

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MS Docket No. 340623.01 (OC Docket No. MFCP, 199892)

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Inventor's Signature

Benoit Dumoulin

Printed Name in English

May 15" 2015

Date

Printed Name in Native Language (if other than English)

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RECORDED: 02/17/2017