504003906 09/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4050562

UBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DA	ΑΤΑ		
		Name	Execution Date
HUBERT VAN HOOF			09/12/2016
DAVID J. BRENNAN			09/12/2016
VIDYARAMAN SANKAR		YANAN	09/12/2016
RUCHITA BHARGAVA			09/12/2016
ROBERTO SONNINO			09/08/2016
RECEIVING PARTY DA	ТА		
Name:	MICRO	SOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE M	ICROSOFT WAY	
City:	REDMO	ND	
State/Country:	WASHI	NGTON	
Postal Code: PROPERTY NUMBERS	98052		
		Number	
PROPERTY NUMBERS	Total: 1	Number 15264568	
PROPERTY NUMBERS Property Type	Total: 1		
PROPERTY NUMBERS Property Type Application Number:	Total: 1		
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be	Total: 1 ATA e sent to	15264568 (425)936-7329 • the e-mail address first; if that is unsu	
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PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if µ Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	Total: 1	15264568 (425)936-7329 The e-mail address first; if that is unsur i; if that is unsuccessful, it will be sent 425-707-9382 usdocket@microsoft.com MICROSOFT CORPORATION ONE MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WASHINGTON 98052 360262.01	

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source=2016-09-13_360262-01_AssignmentsSigned#page7.tif
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I <u>Hubert Van Hoof</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTERIZED NATURAL LANGUAGE QUERY INTENT DISPATCHING</u>" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on <u>September 13, 2016</u> and given Application No. <u>15264568</u> by the following Office <u>USPTO</u>) this APPLICATION's Application No., filing date, and Office, when known;

Was filed on ______ and was given Application No ______ by the following Office

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, 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 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;

	Office
· · · · · · · · · · · · · · · · · · ·	
	Filing Date

PATENT ASSIGNMENT MS Docket No.: 360262.01

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).

- Lanker	9/12/2016
Inventor's Signature	Date
Hubert Van Hoof	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: <u>360262.01</u>

I <u>David J. Brennan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTERIZED NATURAL LANGUAGE QUERY INTENT DISPATCHING</u>" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on September 13, 2016 and given Application No. 15264568 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;

was filed on ______ and was given Application
No ______ by the following Office
"_____";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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, 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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Application No.	Filing Date	Office

PATENT REEL: 039723 FRAME: 0194 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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<u>Jain J. Brussian</u> Inventor's Signature	
David J. Brennan	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Vidyaraman Sankaranarayanan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTERIZED NATURAL LANGUAGE QUERY INTENT</u> <u>DISPATCHING</u>" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on <u>September 13, 2016</u> and given Application No. <u>15264568</u> by the following Office <u>USPTO</u>) this APPLICATION'S Application No., filing date, and Office, when known;

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9/12/16 Date Vidyaraman Sankaranarayanan Printed Name in English Printed Name in Native Language (if other than English)

Page 2 of 2

I <u>Ruchita Bhargava</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTERIZED NATURAL LANGUAGE QUERY INTENT DISPATCHING</u>" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on <u>September 13, 2016</u> and given Application No. <u>15264568</u> by the following Office <u>USPTO</u> this APPLICATION'S Application No., filing date, and Office, when known;

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Application No.	\$

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	Æ.	9/12/6
In	ventor's Signature	Date /
Ri	ıchita Bhargava	
Pr	inted Name in English	Printed Name in Native Language
		(if other than English)

I <u>Roberto Sonnino</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>COMPUTERIZED NATURAL LANGUAGE QUERY INTENT DISPATCHING</u>" ("APPLICATION"), which:

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"_____";

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Return	91812016
Inventor's Signature	Date
Roberto Sonnino	······
Printed Name in English	Printed Name in Native Language
	(if other than English)