504365497 05/12/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4412189

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIANZHU QIAO	05/12/2017
JONATHAN WESTHUES	05/11/2017

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:	15594128

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ATTORNEY DOCKET NUMBER:	400874-US-NP	
NAME OF SUBMITTER:	VLADIMIR A. KOZYREV	
SIGNATURE:	/Vladimir A. Kozyrev/	
DATE SIGNED:	05/12/2017	

Total Attachments: 4

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PATENT 504365497 REEL: 042359 FRAME: 0097

PATE	NT ASSIGNMEN	T MS Docket	No.: <u>400874-US-NP</u>
inventor of application	subject matter ("INVENTION") disclosed ING CORRELATION RE	inventor or an original joint and/or claimed in a patent FERENCE BASED ON NOISE
	ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT May 12, 2017 the following Offi	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in and given Application to the polication of the polication	Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 15/594,128 by
		and was given Office "	
behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the enti ity, in the INVENTI red therefrom, suc ited States, its	ssors and assigns ("ASSI re and exclusive rights, t ON and the APPLICATION h as continuing application	on limited liability company, on GNEE"), is entitled to, and is itle and interest, including the (and all other applications and ons, in whole or in part, in and ign countries ("APPLICATION
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Application I		Filing Date	Office
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PATENT ASSIGNMENT

MS Docket No.: 400874-US-NP

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).

Inventor's Signature

Date

Tianzhu QIAO

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT

PATE	NT ASSIGNMEN	Γ MS Docket	No.: <u>400874-US-NP</u>
inventor of application ESTIMATION'	subject matter (entitled " <u>SELECT</u> ' ("APPLICATION"),	"INVENTION") disclosed ING CORRELATION REF	al inventor or an original join and/or claimed in a paten ERENCE BASED ON NOIS orizes, and requests,
	LLC, One Microso LEGAL REPRESENT	representative, Microsoft ft Way, Redmond, Washing `ATIVES), to insert here in p and given Application N	gton 98052 (ASSIGNEE'S parentheses (filed on
		ce pplication No., filing da	
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behalf of its desirous of a right of prior patents deriv	elf and its succe cquiring, the enti ity, in the INVENTI red therefrom, suc	ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	n limited liability company, or GNEE"), is entitled to, and itle and interest, including the (and all other applications and ins, in whole or in part, in and ign countries ("APPLICATION")
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Application N		Filing Date	Office Office

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Janh	MAY 11,2017	
Inventor's Signature	Date	
Jonathan WESTHUES	***************************************	
Printed Name in English	glish Printed Name in Native Language (if other than English)	