PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3688940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANURAG DALMIA	11/19/2015
GANESH KRISHNAMURTHI	11/20/2015
FNU SURESH KUMAR KOORELLA	11/19/2015
HIMANSHU AGRAWAL	11/19/2015
VIVEK DALVI	11/19/2015
ALOK JAIN	11/19/2015

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:	14992100

CORRESPONDENCE DATA

Fax Number:

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: 425-707-9382

Email: stevensp@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

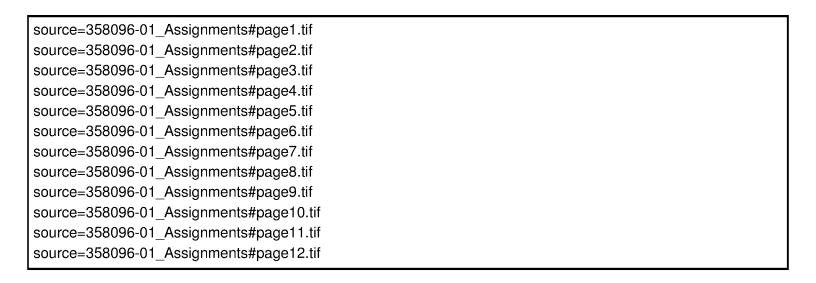
Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	358096.01
NAME OF SUBMITTER:	JOHN OGILVIE
SIGNATURE:	/John Ogilvie/
DATE SIGNED:	01/11/2016

Total Attachments: 12

PATENT REEL: 037449 FRAME: 0377

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PATENT REEL: 037449 FRAME: 0378

	k Jain ("Assignor"				
	natter ("INVENTION				
entitled "OP	TIMIZED EXECUTIO	N ORDER CO	RRELATION	WITH PROD	UCTION LISTING
ORDER" ("API	PLICATION"), which:	:			
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Page 1 of 2

MS Docket No.: 358096.01

MS Docket No.: 358096.01

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")):

	Nav 19 / 2015
Inventor's signature	Date
Alok JAIN	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT A	SSIGNMENT	MS Docket No.: 358096.01
inventor of application e	subject matter ("	INVENTION") disclosed a EXECUTION ORDER CORI	inventor or an original joint and/or claimed in a patent RELATION WITH PRODUCTION
\boxtimes	will be filed.	ASSIGNOR hereby auth	orizes, and requests,
	LLC., One Micro (ASSIGNEE'S LEG parentheses (filed No	representative, Microsoft osoft Way, Redmond, AL REPRESENTATIVES), onby ling date, and Office, whe	Washington 98052 to insert here in and given Application the following) this APPLICATION's
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Page 1 of 2

MS Docket No.: 358096.01

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A Rove.	11/12/2015
inventor's Signature	Date
Anurag DALMIA	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 358096.01

inventor of application e	subject matter ("	INVENTION") disclosed a EXECUTION ORDER CORI	nventor or an original joint and/or claimed in a patent RELATION WITH PRODUCTION
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Valk Jaly	11/19/2015
Inventor's Signature	Date
Vivek DALVI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

inventor of sapplication ent	nshu AGRAWAL ("/ ubject matter ("l titled "OPTIMIZED R" ("APPLICATION")	NVENTION") d EXECUTION OF	isclosed a	nd/or claimed	in a patent
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Page 1 of 2

MS Docket No.: 358096.01

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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, 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"));

J. War.	19 Nov. 2015
Inventor's Signature	Date
Himanshu AGRAWAL	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 358096.01

joint invento application of	or of subject mat	ter ("INVENTION") disclose ED EXECUTION ORDER CO	original inventor or an original ed and/or claimed in a patent RRELATION WITH PRODUCTION
	ASSIGNEE'S legal LLC., One Mi (ASSIGNEE'S LE parentheses (file No. Office	ASSIGNOR hereby autility representative, Microsof Crosoft Way, Redmond GAL REPRESENTATIVES), and on by filling date, and Office, who	t Technology Licensing, , Washington 98052 to insert here in and given Application the following) this APPLICATION's
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behalf of its desirous of a right of prior patents deriv	elf and its succe acquiring, the ent ity, in the INVENT red therefrom, suc ted States, its	essors and assigns ("ASSI ire and exclusive rights, t ION and the APPLICATION th 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
REPRESENTAT	TIVES to insert t	the Application No., filin	uests, ASSICNEE'S LEGAL ig date, and Office into the hey are known;
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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, 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).

K. Garesh	11/20/2015
Inventor's Signature	Date
Ganesh KRISHNAMURTHI	
Printed Name in English	Printed Name in Native Language
 	(if other than English)

MS Docket No.: 358096.01

i fnu	SURESH KUMAR K	(OORELLA ("A	SSIGNOR") a	m the origir	ial inventor c	or an
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patent appl	ication entitled "	OPTIMIZED I	XECUTION	ORDER CO	RELATION N	MITH
PRODUCTION	N LISTING ORDER" ("APPLICATION	l"), which:			
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	ASSIGNEE'S legal	representativ	e. Microsoft	Technology	Licensing,	
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MS Docket No.: 358096.01

(peoks	19 5 Nov , 2015
Inventor's Signature	Date
fnu SURESH KUMAR KOORELLA	
Printed Name in English	Printed Name in Native Language
	(if other than English)