502241174 02/25/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Silver Keskkula	02/19/2013
Tony Bates	12/24/2012

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:	13727392

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Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	337600.01
NAME OF SUBMITTER:	Gopal Sharma

Total Attachments: 4

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PATENT REEL: 029863 FRAME: 0818

PATENT ASSIGNMENT

MS Docket No.: 337600.01

l <u>Silver Keskkula</u> ("ASSIGNOR") am the orig	ginal inventor or an original joint
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application entitled "ROUT		
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☐ will be file	d. ASSIGNOR hereby	authorizes, and requests,
ASSIGNEE'S I	egal representatives, of th	ne Law and Corporate Affairs
•		ne Microsoft Way, Redmond,
and the state of the		REPRESENTATIVES), to insert
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) this APPLICATION's
Application N	lo., filing date, and Office	, when known;
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	by the following Office "U	
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Microsoft Corporati	on a Washington Corno	pration, on behalf of itself and its
		, and is desirous of acquiring, the
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		NVENTION and the APPLICATION
		d therefrom, such as continuing
applications, in and for t	he United States, its ter	rritories, and all foreign countries
("APPLICATION DERIVATIVE	:S"));	
ASSIGNOR hereb	y authorizes, and	requests, ASSIGNEE'S LEGAL
		filing date, and Office into the
		fter they are known;
	Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: 337600.01

9/2013

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).

544	2./1
Inventor's Signature	Date

		**
Silver Keskkula	SILVER	KESKKÜLA

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

PATENT ASSIGNMENT MS Docket No.: 337600.01

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Department, Micros Washington 98052 here in parenthes	oft Corporation (ASSIGNEE'S LEC	, One Micros	oft Wa	y, Redmond, ES), to insert
Application No.				following
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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

PATENT ASSIGNMENT MS Docket No.: 337600.01

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 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).

SESO	12/24/12
Inventor's Signature	Date
Tony Bates	
Printed Name in English	Printed Name in Native Language
	(if other than English)