502969478 09/10/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW SALAMATOV	01/20/2014
JASON TODD HENDERSON	08/26/2014
OLEG OULIANKINE	01/13/2014
PRETISH ABRAHAM	09/08/2014
PHILIP YUE-LEUNG CHAN	09/05/2014
KEE HYUK PARK	12/22/2013
SHIVANI CHATURVEDI	03/20/2014
SUDHAKAR PASUPULETI	08/28/2014
PAUL VIRAG	01/06/2014
ANGELA SO	09/05/2014
CHIA-WEI CHANG	03/27/2014

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14089043

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502969478 PATENT REEL: 033707 FRAME: 0810

ATTORNEY DOCKET NUMBER:	14917.2410US01
NAME OF SUBMITTER:	MARK L. GLEASON
SIGNATURE:	/Mark L. Gleason/
DATE SIGNED:	09/10/2014
Total Attachments: 12	
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PATENT REEL: 033707 FRAME: 0811

We <u>Andrew Salamatov</u>	, Jason Todd Henderso	n, Oleg Ouliankine, Pretish
Abraham, Philip Yue-Leung	<u> Chan, Kee Hyuk Park, S</u>	<u>hivani Chaturvedi, Sudhakar</u>
Pasupuleti, Paul Virag, Angela	So, and Chia-Wei Chang	("ASSIGNOR") am the original
inventor or an original joint inv		
claimed in a patent application		
\square will be filed.	ASSIGNOR hereby authorized	orizes, and requests,
ASSIGNEE'S legal	representatives, of the Lav	v and Corporate Affairs
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Washington 9805	2 (ASSIGNEE'S LEGAL REPR	ESENTATIVES), to insert
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oxtimes was filed on Nove	<u>mber 25, 2013</u> and was gi	ven Application No
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Trademark Office		
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Microsoft Corporation, successors and assigns ("ASSIG entire and exclusive rights, tit (and all other applications	GNEE"), is entitled to, and le and interest in the INV	ENTION and the APPLICATION
applications, in and for the U		
("APPLICATION DERIVATIVES"));		
	authorizes, and requ	
REPRESENTATIVES to insert t		
following table for any APPLICA	TION DERIVATIVES after th	ney are known;
Application No.	Filing Date	Office
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Page 1 of 12

PATENT ASSIGNMENT

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).

Andrew Salamatov	1/20/2014
Inventor's Signature	Date
Andrew Salamatov	
Printed Name in English	Printed Name in Native Language
Andrew Salamatov	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 14917.2410US01/340609.01

go flill	8/26/2014
Inventor's Signature	Date
Jason Henderson	
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lason Todd Henderson	(if other than English)

———PATEN	NT ASSIGNMENT	_MS Docket
No.:-	14917.2410US01/340609.01	
Inventor's Signature	1/13/14 Date	
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Oleg Ouliankine	<u>(if other than English)</u>	

PATENT ASSIGNMENT

MS Docket No.: 14917.2410US01/340609.01

Inventor's Signature

PRETISH ABRAHAM

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Pretish Abraham

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: <u>14917.2410US01/340609.01</u>

Phil/C.	September 5, 2014
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M		Formatted: Font: (Default) Lucida San Unicode, 11 pt
Je Williams	12/22/2013	
Inventor's Signature	<u>Date</u>	
Kee Hyuk Park	<u>박기혁</u>	
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Shivani Chaturvedi	03/20/2014
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MS Docket No.: 14917.2410US01/340609.01

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Inventor's Signature	Date
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Printed Name in English Sudhakar Pasupuleti	Printed Name in Native Language (if other than English)

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Mal	1/6/14	
Inventor's Signature	Date	And the state of t
Paul Virag		
Printed Name in English	Printed Name in Native Langua	Ge Formatted: Font: Bold
Paul Virag	(if other than English)	* C FAIRMANN LAWS TOWN

Page 10 of 12

Inventor's Signature

Angela So

Printed Name in English Angela So Date

9/5/2014

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 14917.2410US01/340609.01

Inventor's Signature	Date
Horf lugar	3/27/2014
Printed Name in English Chla-Wei Chang	Printed Name in Native Language (if other than English)

RECORDED: 09/10/2014