502659556 01/30/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUDIPTA SENGUPTA	01/28/2014
CHENGUANG ZHU	01/28/2014
CHUN HO CHEUNG	01/28/2014
JIN LI	01/28/2014
ABHISHEK GUPTA	01/29/2014

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:	13830950

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: GONZALEZ SAGGIO & HARLAN LLP C/O MICROSO

Address Line 1: 704 - 228TH AVENUE NE

Address Line 2: SUITE 193

Address Line 4: SAMMAMISH, WASHINGTON 98074

ATTORNEY DOCKET NUMBER:	338471.01
NAME OF SUBMITTER:	ALBERT S. MICHALIK
	PAIENI

502659556 REEL: 032095 FRAME: 0223

Signature:	/Albert S. Michalik/
Date:	01/30/2014
Total Attachments: 10 source=338471-01-Assignment_SS#page1. source=338471-01-Assignment_CZ#page2. source=338471-01-Assignment_CZ#page1. source=338471-01-Assignment_CC#page1. source=338471-01-Assignment_CC#page2. source=338471-01-Assignment_JL#page1.t source=338471-01-Assignment_JL#page2.t source=338471-01-Assignment_AG#page1.source=338471-01-Assignment_AG#page2.	tif

PATENT REEL: 032095 FRAME: 0224

I <u>Sudipta Sengupta</u> ("AS inventor of subject matter (application entitled " <u>CACHING</u> <u>VIRTUALIZATION</u> " ("APPLICATIO	"INVENTION") disclosed CONTENT ADDRESSABLE	•	
ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No.	ASSIGNOR hereby auth representatives, of the Law osoft Corporation, One Mi 2 (ASSIGNEE'S LEGAL REPR eses (filed on by) tliling date, and Office, whe	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given the following Office his APPLICATION's	
<u>13/830,950</u> by th	was filed on March 14, 2013 and was given Application No. 13/830,950 by the following Office "US – United States Patent and Trademark Office"		
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;			
oplication No. Filing Date Office			
	3		

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 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).

Inventor's Signaure	01/28/2014 Date
Sudipta Sengupta	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Chenguang Zhu</u> ("ASS inventor of subject matter (application entitled <u>"CACHING VIRTUALIZATION"</u> ("APPLICATIO	"INVENTION") disclosed CONTENT ADDRESSABLE	·
ASSIGNEE'S legal in Department, Micro Washington 9805. There in parenth Application Not the Control of the Cont	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Miles (ASSIGNEE'S LEGAL REPRESES (filed on	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
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Application No.	Filing Date	Office Office

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教艺	Jan. 28, 2014
Inventor's Signature	Date
Chenguang Zhu	朱晨光
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 338471.01

inventor of subject matter (application entitled "CACHING	"INVENTION") disclosed CONTENT ADDRESSABLE	•
<u>VIRTUALIZATION</u> " ("APPLICATIO	N"), which:	
ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No Office	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mize (ASSIGNEE'S LEGAL REPReses (filed on	w and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
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Inventor's Signature	1/28/2414 Date
Chun Ho Cheung	張震河
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Jin Li</u> ("ASSIGNOR") an subject matter ("INVENTION") d " <u>CACHING CONTENT ADDRESS</u> ("APPLICATION"), which:	isclosed and/or claimed i	, , ,
ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No Office	ASSIGNOR hereby auth representatives, of the Lavosoft Corporation, One Mice (ASSIGNEE'S LEGAL REPReses (filed on	w and Corporate Affairs icrosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
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following table for any APPLICA		ney are known; Office
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Page 1 of 2

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Jan Je	Jan. 28, 2014
Inventor's Signature	Date
Jin Li	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Abhishek Gupta</u> ("ASinventor of subject matter application entitled " <u>CACHING</u>	("INVENTION") disclosed	·
<u>VIRTUALIZATION</u> " ("APPLICATION")		
ASSIGNEE'S legal Department, Mic Washington 9803 here in parentl Application No	ASSIGNOR hereby authorepresentatives, of the Lawrosoft Corporation, One Most (ASSIGNEE'S LEGAL REPROPOSES (Filed on by) to the filing date, and Office, whe	w and Corporate Affairs icrosoft Way, Redmond, IESENTATIVES), to insert and given the following Office his APPLICATION's
	<u>th 14, 2013</u> and was given he following Office " <u>US – U</u> <u>`</u> "	
Microsoft Corporation, successors and assigns ("ASSI entire and exclusive rights, ti (and all other applications applications, in and for the ("APPLICATION DERIVATIVES"))	GNEE"), is entitled to, and the and interest in the INV and patents derived the United States, its territors	ENTION and the APPLICATION erefrom, such as continuing
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Boli Cy	29» January 2014
Inventor's Signature	Dates
Abhishek Gupta	
HOHEN ARTHU	
Printed Name in English	Printed Name in Native Language

MS Docket No.: 338471.01