Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tai Hing Tse	05/06/2013
Landy Wang	05/07/2013
Yimin Deng	05/08/2013
Kenneth D. Johnson	05/06/2013
Yevgeniy M. Bak	05/06/2013
Chiuchin Chen	05/06/2013

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:	13830405

CORRESPONDENCE DATA

Fax Number: 4259367329

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Correspondent Name: Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept Redmond, WASHINGTON 98052 Address Line 4:

ATTORNEY DOCKET NUMBER: 338383.01

REEL: 030399 FRAME: 0327

Assal Meftahi

NAME OF SUBMITTER:	Gopal Sharma
Signature:	/GOPAL SHARMA/
Date:	05/13/2013
Total Attachments: 12 source=338383-01-Executed-Assignment#p source=338383-01-Executed-Assignment#p source=338383-01-Executed-Assignment#p source=338383-01-Executed-Assignment#p source=338383-01-Executed-Assignment#p	page2.tif page3.tif page4.tif page5.tif page5.tif
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PATENT REEL: 030399 FRAME: 0328

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of subject	matter ("INVENTIC <u>emory Image Ca</u>	N") disclosed and/or cla	tor or an original joint inventor timed in a patent application te from a Running System
	ASSIGNEE'S legal Department, Mici Washington 9805 here in parenth Application N Office	ASSIGNOR hereby authorepresentatives, of the Lacosoft Corporation, One Mis (ASSIGNEE'S LEGAL REPRESES (filed on) filing date, and Office, when the control of the	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to Insert and given by the following) this APPLICATION's en known;
Micro successors a entire and e (and all ot applications,	13/830,405 by the soft Corporation, and assigns ("ASSI xclusive rights, tither applications	ne following Office " <u>US";</u> a Washington Corporation GNEE"), is entitled to, and the and interest in the INV and patents derived the United States, its territor	n, on behalf of itself and its I is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries
REPRESENTA	TIVES to insert t		uests, ASSIGNEE'S LEGAL g date, and Office into the hey are known:
Application I		Filing Date	Office
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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 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).

Tin Hing Tsl Inventor's Signature	May 6, 2013 Date
Tai Hing Tse	
Printed Name in English	Printed Name in Native Language (if other than English)

	ATENT ASSIGNMENT	MS Decket No. 12535.11
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PATENT REEL: 030399 FRAME: 0331

PATENT ASSIGNMENT MS Docker No. 338383301 For good and valuable consideration, the receipt of which is hereby ACKNOWledged by the ACSICNOR, the ACSICNOR hereby sells, assigns and transfers to the ASSICNEE, ASSICNOR's entire and exclusive rights, rate and interest in the INVENTION and the APPLICATION (and APPLICATION DEPOVATIVES). 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). Landy Wang Printed Name in English Printed Name in Native Language Of other than English) Page 2 of 2

of subject r	natter ("INVENTION emory Image Cap	l") disclosed and/or cl	tor or an original joint inventor aimed in a patent application <u>te from a Running System</u> "
	ASSIGNEE'S legal r Department, Micro Washington 98052 here in parenthe Application No Office	representatives, of the Losoft Corporation, One 1 2 (ASSIGNEE'S LEGAL REF eses (filed on	by the following _) this APPLICATION's
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Application		TION DERIVATIVES after Filing Date	Office

MS Docket No.: 338383.01

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	05/08/2013
Inventor's Signature	Date
Yimin Deng	YIMIN DENG
Printed Name in English	Printed Name in Native Language (if other than English)

	*********	TOSTOTVILLETT	MIS DOCKET NO.: <u>338383.01</u>
inventor of	subject matter entitled " <u>Memory I</u>	("INVENTION") disclosed	al inventor or an original joint and/or claimed in a patent Write from a Running System"
	ASSIGNEE'S legal Department, Mic Washington 9805 here in parenth Application N Office	ASSIGNOR hereby authorepresentatives, of the Lacosoft Corporation, One Most (ASSIGNEE'S LEGAL REPROPESS (Filed on) Tiling date, and Office, whe	w and Corporate Affairs licrosoft Way, Redmond, RESENTATIVES), to insert and given by the following) this APPLICATION's
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MS Docket No.: <u>338383.01</u>

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Sems fines. Inventor's Signature	5/6/7013 Date
Kenneth D. Johnson	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Yevgeniy M. Bak</u> ("ASSI inventor of subject matter ("I application entitled " <u>Memory Image</u> ("APPLICATION"), which:	NVENTION") disclosed a	
ASSIGNEE'S legal re Department, Micro Washington 98052 here in parenthe Application No. Office	ASSIGNOR hereby author epresentatives, of the Law soft Corporation, One Mi (ASSIGNEE'S LEGAL REPR ses (filed on ing date, and Office, where	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert and given by the following) this APPLICATION's
	14, 2013 and was given following Office " <u>US</u> ";	Application No
Microsoft Corporation, a successors and assigns ("ASSIG entire and exclusive rights, title (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	NEE"), is entitled to, and e and interest in the INVI nd patents derived the	ENTION and the APPLICATION refrom, such as continuing
ASSIGNOR hereby a REPRESENTATIVES to insert th following table for any APPLICAT	e Application No., filin	
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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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

MS Docket No.: 338383.01

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Inventor's Signature	5/6/13 Date
Yevgeniy M. Bak	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT ASSIGNMENT	MS Docket N	o.: <u>338383.01</u>
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ASSIGN Departr Washing here in Applica Office Applica	tion No., filing date, and Of	of the Law and Corpora n, One Microsoft Way, F GAL REPRESENTATIVES), and by the by the his APPLIF ffice, when known;	ite Affairs Redmond, , to insert nd given following CATION's
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Inventor's Signature

Date

Chiuchin Chen

Printed Name in English

Printed Name in Native Language

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(if other than English)