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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christian Fortini	06/14/2013
Brian E. Manthos	06/14/2013
Grant A. Watters	06/17/2013
Li-Hsin Huang	06/14/2013
Richard K James	06/14/2013
Samuel R Fortiner	06/17/2013
R. Scott Briggs	06/14/2013
Sergey Z Malkin	06/14/2013
Yuanzhe Wang	06/14/2013
Rico Mariani	06/14/2013
Justin E Rogers	06/14/2013
Anjali S. Parikh	06/14/2013
Praveen Kumar Muralidhar Rao	06/14/2013
Matthew P Kotsenas	06/14/2013
Jason J. Weber	06/14/2013
Nirankush Panchbhai	06/17/2013
Rossen Atanassov	06/17/2013
Peter Salas	06/17/2013

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:	13921727

502436400 REEL: 030891 FRAME: 0523

CORRESPONDENCE DATA

Fax Number: 4259367329

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

Phone: 425-707-9382

Email: vffiling@microsoft.com

Correspondent Name: Assal Meftahi
Address Line 1: One Microsoft Way

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

ATTORNEY DOCKET NUMBER:	339143.01
NAME OF SUBMITTER:	Amandeep Kaur
Signature:	/Amandeep Kaur/
Date:	07/29/2013

Total Attachments: 36

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PATENT REEL: 030891 FRAME: 0525

MS Docket No.: <u>339143.01</u>

i <u>Christian Fortini</u> ("As	SSIGNOR") am t	the original	inventor or	an original joint
inventor of subject matter	("INVENTION")	disclosed a	and/or clain	ned in a patent
application entitled " <u>Synchro</u>	nization Points	for State I	nformation"	("APPLICATION"),
which:				

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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
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MS Docket No.: <u>339143.01</u>

I <u>Brian E. Manthos</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

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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;

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MS Docket No.: 339143.01

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);

Ar Ar Inventor's Signature	66/14/2 413 Date
Brian E. Manthos	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Grant A. Watters</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

MS Docket No.: 339143.01

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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
Application No.	Tilling Date	Office

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MAURA	6/17/13
Inventor's Signature	Date
Grant A. Watters	
Printed Name in English	Printed Name in Native Language (if other than English)

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1 (7) 1 1 1 1 1 1	73		w.	9~F1	. 3 43		* L

MS Docket No.: 339143.01 I LI-Hsin Huang ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on and given Application No. following the Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No ______ by the following 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:

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MS Docket No.: 339143.01

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);

G Duaz.	6/14/2013
Inventor's Signature	Date
Li-Hsin Huang	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339143.01 I Richard K. James ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 19-JUN-2013 here in parentheses (filed on and given 13/921727 No. Application by the following

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Application No., filing date, and Office, when known;

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"));

hereby authorizes. ASSIGNOR and requests, ASSIGNEE'S **LEGAL** REPRESENTATIVES to insert the Application No., filling date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office	******

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Radio	14 June 2013
Inventor's signature	Date
Richard K. James	**************************************
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Samuel R. Fortiner ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 19-JUN-2013 here in parentheses (filed on and given 13/921727 by No. Application the following Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on _____ and was given Application No ______ by the following 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; Application No. Filing Date Office

Page 1 of 2

MS Docket No.: 339143.01

PATENT	ASSIGNMENT	MS Docket No.:	339143.01

Il KA	6/17/2013
Inventor's Signature	Date
Samuel R. Fortiner	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 339143.01

I R. Scott Bri	ggs ("ASSIGNOR")	am the original	inventor or an	original joint
inventor of subject	matter ("INVENT	ION") disclosed	and/or claimed	l in a patent
application entitled				
which:				

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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;

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ONGEN BY	6/14/2013 Date
R. Scott Briggs	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 339143.01

inventor of	subject matter	("INVENTION") disclosed	ul inventor or an original joint and/or claimed in a patent <u>Information</u> " ("APPLICATION")
	ASSIGNEE'S legal Department, Mici Washington 9805 here in parenth Application N Office	ASSIGNOR hereby autrepresentatives, of the Larosoft Corporation, One Modern Corporation, One Modern Corporation Co	aw and Corporate Affairs Microsoft Way, Redmond, RESENTATIVES), to insert UN-2013 and given by the following _) this APPLICATION's
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successors a entire and e (and all oth applications,	ind assigns ("ASSI xclusive rights, tit ner applications	GNEE"), is entitled to, an de and interest in the IN' and patents derived th United States, its territo	on, on behalf of itself and its d is desirous of acquiring, the VENTION and the APPLICATION erefrom, such as continuing ries, and all foreign countries
REPRESENTA	TIVES to insert t	authorizes, and rec the Application No., filination DERIVATIVES after t	ng date, and Office into the
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Page 1 of 2

PAIENI	ASSIGNMENT	MS Docket No.:	339143.01
4.	A CONTRACTOR OF THE PROPERTY O		

Sergon Malken	6/14/2013
<u>Sergoy Malkon</u> Inventor's Signature	Date
Sergey Z. Malkin	Sergey Z. Malkin
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Yuanzhe Wang</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

MS Docket No.: 339143.01

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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	

PATENT A	ASSIGNMENT	MS	Docket No.:	339143.01
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Lune 4	06/14/2013
Inventor's Signature	Date
Yuanzhe Wang	王並也
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339143.01

I <u>Rico Mariani</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office	

MS Docket No.: 339143.01

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):

Gellle:	6/14/20/3
Inventor's Signature	Date
	Opening the second seco
Rico Mariani	
Printed Name in English	Printed Name in Native Language
-	(if other than English)

I <u>Justin E. Rogers</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

MS Docket No.: 339143.01

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Inventor's Signature	6/14/2013 Date
Justin E. Rogers	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Anjali S. Parikh ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond. Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 19-JUN-2013 here in parentheses (filed on and given 13/921727 Application the following by) this APPLICATION's Office Application No., filing date, and Office, when known; was filed on _____ and was given Application No by the following 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")); authorizes, ASSIGNOR hereby and requests. ASSIGNEE'S REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Application No. Filing Date

Page 1 of 2

MS Docket No.: 339143.01

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Santeh	6-14-2013
Inventor's Signature	Date
Anjali S. Parikh	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 339143.01

I <u>Praveen Kumar Mural</u> original joint inventor of subjudgment application entitled ("APPLICATION"), which:	ect matter ("INVENTION")	ON") disclosed	and/or claimed in a
ASSIGNEE'S legal Department, Mic Washington 980 here in parent Application N Office	ASSIGNOR hereby representatives, of the rosoft Corporation, OS2 (ASSIGNEE'S LEGAL heses (filed on	he Law and Co one Microsoft V . REPRESENTAT 19-JUN-2013 by th	orporate Affairs Vay, Redmond, TVES), to insert and given e following APPLICATION's
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Microsoft Corporation, successors and assigns ("ASS entire and exclusive rights, ti (and all other applications applications, in and for the ("APPLICATION DERIVATIVES"))	IGNEE"), is entitled to tle and interest in th and patents derive United States, its te	o, and is desir e INVENTION a d therefrom,	ous of acquiring, the and the APPLICATION such as continuing
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Man Kuat	6/14/13
Inventor's Signature	Date
Praveen Kumar Muralidhar Rao	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 339143.01 I Matthew P. Kotsenas ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on ______19-JUN-2013 ____ and given Application No. 13/921727 by the following) this APPLICATION's Office Application No., filing date, and Office, when known; was filed on _____ and was given Application No ______ by the following 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")); hereby authorizes, and requests, ASSIGNEE'S LEGAL ASSIGNOR REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Application No. Filing Date

PATENT.	ASSIGNMENT	MS Docket No.:	339143.01

Matthew P. Kotsenas	6/14/2013 Date
Printed Name in English	Printed Name in Native Language (if other than English)

I lason I. Weber ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Synchronization Points for State Information" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert 19-JUN-2013 here in parentheses (filed on and given Application No. following the

MS Docket No.: 339143.01

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was filed on	and was given Application
No	by the following Office
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Application No., filing date, and Office, when known;

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;

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	414/13
Inventor's Signature	Date /
Jason J. Weber	
Printed Name in English	Printed Name in Native Language
-	(if other than English)

I <u>Nirankush Panchbhai</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

MS Docket No.: 339143.01

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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;

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Janul	6/17/2013
Inventor's Signature	Date
Nirankush Panchbhai	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Rossen Atanassov</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

MS Docket No.: 339143.01

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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;

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PALLA	6/17/2013
Inventor's Signature	Date
Rossen Atanassov	POCEH ATAHACOB
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 339143.01

I <u>Peter Salas</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>Synchronization Points for State Information</u>" ("APPLICATION"), which:

will be filed.	ASSIGNOR hereb	y authorize:	s, and	requests,
ASSIGNEE'S legal	representatives, o	f the Law and	Corpo	rate Affairs
Department, Mic	rosoft Corporation	One Microso	ft Way,	Redmond
Washington 980	52 (ASSIGNEE'S LEG	AL REPRESENT	TATIVES	S), to insert
here in parent	heses (filed on _	19-JUN-2	.013	and given
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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	
	Andrew An		********
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MS Docket No.: 339143.01

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);

Dife Stas Inventor's Signature	6/17/13 Date
Peter Salas	
Printed Name in English	Printed Name in Native Language
	(if other than English)