

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3072249

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SPELLING OF RENAT VAFIN'S NAME NEEDS TO BE CHANGED FROM RANAT TO RENAT previously recorded on Reel 028848 Frame 0740. Assignor(s) hereby confirms the SPELLING OF RENAT VAFIN'S NAME IS SPELLED RENAT INSTEAD OF RANAT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RENAT VAFIN	05/24/2012
ANDREI JEFREMOV	05/25/2012
MATTIAS NILSSON	05/24/2012
SOREN VANG ANDERSEN	07/26/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13594668
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)755-7252
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	5097557241
<b>Email:</b>	amanda@wolfe-sbmc.com
<b>Correspondent Name:</b>	AMANDA LYBEER
<b>Address Line 1:</b>	601 W. MAIN
<b>Address Line 2:</b>	13TH FLOOR
<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	336089.02
<b>NAME OF SUBMITTER:</b>	LANCE R. SADLER REG.# 38605
<b>SIGNATURE:</b>	/Lance R. Sadler/
<b>DATE SIGNED:</b>	10/20/2014

**Total Attachments: 12**

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### PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

### CONVEYING PARTY DATA

Name	Execution Date
Renat Vafin <u>Renat</u>	05/24/2012
Andrei Jefremov	05/25/2012
Mattias Nilsson	05/24/2012
Soren Vang Andersen	07/26/2012

### RECEIVING PARTY DATA

<b>Name:</b>	Microsoft Corporation
<b>Street Address:</b>	One Microsoft Way
<b>City:</b>	Redmond
<b>State/ Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052

### PROPERTY NUMBERS Total: 1

Property Type	Number
<b>Application Number:</b>	13594668

PATENT

**CORRESPONDENCE DATA**

**Fax Number:** 4259367329  
**Phone:** 425-707-9382 ☐  
**Email:** vffiling@microsoft.com

***Correspondence will  
be sent to the e-  
mail address first;  
if that is  
unsuccessful, it  
will be sent via US  
Mail.***

**Correspondent Name:** Assal Meftahi  
**Address Line 1:** One Microsoft Way  
**Address Line 2:** Patent Group Docketing Dept  
**Address Line 4:** Redmond, WASHINGTON 98052

<b>ATTORNEY DOCKET NUMBER:</b>	336089.02
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<b>NAME OF SUBMITTER:</b>	Harendra Rana
---------------------------	---------------

<b>Signature:</b>	/Harendra Rana/
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<b>Date:</b>	08/27/2012
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**Total Attachments: 6**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT2075127  
**Receipt Date:** 08/27/2012  
**Fee Amount:** \$40

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**PATENT**

PATENT ASSIGNMENT

I/WE, Renat Vafin, Mattias Nilsson, Soren Vang Andersen, Andrei Jefremov ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "JITTER BUFFER" ("APPLICATION"), which:

- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. 13/594,668, filed 08/24/2012) this APPLICATION's Application No. and filing date, when known;
- ☐ was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_;
- ☐ is filed concurrently herewith;

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"));


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, the 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 Signature <i>Renat Vafin</i>	Date <i>May 24, 2012</i>
Printed Name in English RENAT VAFIN	Printed Name in Native Language (if other than English) RENAT VAFIN

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

Inventor's Signature	Date
Soren Vang Andersen	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature 	Date 25.05.12
Andrei Jefremov	
Printed Name in English ANDREI JEFREMOV	Printed Name in Native Language (if other than English) ANDREI JEFREMOV

PATENT ASSIGNMENT

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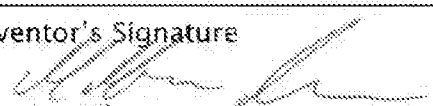
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Inventor's Signature	Date
Renat Vafin	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature 	Date 24-MAY-2012
Mattias Nilsson Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Soren Vang Andersen	
Printed Name in English	Printed Name in Native Language (if other than English)

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

PATENT ASSIGNMENT

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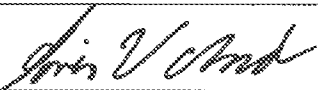
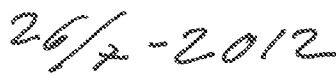
Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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

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

	
Inventor's Signature	Date
Soren Vang Andersen	
Printed Name in English	Printed Name in Native Language (if other than English)

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



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 28, 2012

PTAS

ASSAL MEFTAHI  
ONE MICROSOFT WAY  
PATENT GROUP DOCKETING DEPT  
REDMOND, WA 98052

**502037477**

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RECORDATION DATE: 08/27/2012

REEL/FRAME: 028848/0740  
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 336089.02

ASSIGNOR:  
VAFIN, RANAT

DOC DATE: 05/24/2012

ASSIGNOR:  
JEFREMOV, ANDREI

DOC DATE: 05/25/2012

ASSIGNOR:  
NILSSON, MATTIAS

DOC DATE: 05/24/2012

ASSIGNOR:  
ANDERSEN, SOREN VANG

DOC DATE: 07/26/2012

ASSIGNEE:  
MICROSOFT CORPORATION  
ONE MICROSOFT WAY  
REDMOND, WASHINGTON 98052

APPLICATION NUMBER: 13594668  
PATENT NUMBER:  
TITLE: JITTER BUFFER

FILING DATE:  
ISSUE DATE:

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PUBLIC RECORDS DIVISION