503654184 01/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3700818

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALASTAIR WOLMAN	12/12/2012
EDUARDO ALBERTO CUERVO LAFFAYE	12/13/2012
STEFAN SAROIU	12/12/2012
MADANLAL MUSUVATHI	12/12/2012

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:	15000316

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 425-707-9382

Email: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	337382.02
NAME OF SUBMITTER:	TODD E. BEHRENS
SIGNATURE:	/Todd E. Behrens/
DATE SIGNED:	01/19/2016

Total Attachments: 8

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PATENT 503654184 REEL: 037521 FRAME: 0014

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source=337382-02-Assignment-Inventors-MSFT#page8.tif

PATENT REEL: 037521 FRAME: 0015

I, Alastair Wolman, ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SERVER GPU ASSISTANCE FOR MOBILE GPU APPLICATIONS" ("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 13-DEC-2012 and given 13/714,379 Application No. by the following Office United States Patent and Trademark 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")):

MS Docket No.: 337382.01

hereby

ASSIGNOR

requests. ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the

MS Docket No.: <u>337382.01</u>

following table for any APPLICATION DERIVATIVES after they are known;

authorizes.

Application No.	Filing Date	Office
15/000,316	January 19, 2016	USPTO

and

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).

Mastin Wolm	12/12 /2012
Inventor's Signature	Date
Alastair Wolman	
Printed Name in English	Printed Name in Native Language (if other than English)

I, <u>Eduardo Alberto Cuervo Laffaye</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>SERVER GPU ASSISTANCE FOR MOBILE GPU APPLICATIONS</u>" ("APPLICATION"), which:

MS Docket No.: 337382.01

will b	e	filed.	ASSI	GNOR	hereby	authorize	s, a	nd	requests,
ASSIGN	NEE	'S lega	al repre	sentati	ves, of t	he Law and	Cor	por	ate Affairs
Depart	me	ent, Mi	crosoft	Corpo	ration, C	ne Microso	ft Wa	ay,	Redmond,
	_					. Represen			
here	in	paren	theses	(filed	on	13-DEC-2012		_ a	ınd given
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Office		United S	States Pa	tent and	Trademark	Office \ +b;	- A	DDI	ICATION's
Office	_	O.mea c				<u> </u>	5 A	rrL	ICATION 3
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Eduardo A.	411312012
Inventor's Signature	Date
Eduardo Alberto Cuervo Laffaye	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 337382.01

I, Stefan Saroiu, ("ASSIGNOR") am the original inventor or an original joint
inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled "SERVER GPU ASSISTANCE FOR MOBILE GPU APPLICATIONS"
("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
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Office United States Patent and Trademark Office this APPLICATION's
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No by the following Office

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hereby

ASSIGNOR

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	12/12/12
Inventor's Signature	Date
Stefan Saroiu	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 337382.01

I, Madanial Musuvathi, ("ASSIGNOR") am the original inventor or an original joint

inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent

application ("APPLICATIO	entitled <u>"SERVER GPU ASSISTANCE FOR MOBILE GPU APPUCATI</u> IN"), 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 13-DEC-2012 and given Application No. 13/714,379 by the following Office United States Patent and Trademark Office) this APPLICATION's
	Application No., filing date, and Office, when known;
	was filed on and was given Application

No _____ by the following Office

* P.

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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 337382.01

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	12/12/12
Inventor's Signature	Date
Madanial Musuvathi	
Printed Name in English	Printed Name in Native Language
	(if other than English)