## 504532198 09/05/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4578905

CONVEYING PARTY DATA         Name       Execution Date         ANTON ZELENOV       08/21/2017         NIKOLAY DOBROVOLSKIY       08/21/2017         SERGUEI M BELOUSSOV       09/01/2017         ALEXEY KORYAKIN       08/21/2017         RECEIVING PARTY DATA       08/21/2017         State/Country:       SCHAFFHAUSEN         State/Country:       SWITZERLAND         Postal Code:       8200         PROPERTY NUMBERS Total: 1       Property Type         Property Type       Number         Application Number:       15695141         CORRESPONDENCE DATA       Fax Number:         Fax Number:       (212/484-3990)         Correspondence will be sent to a sunsuccessful, it will be sent	SUBMISSION TYPE:		NEW ASSIGNMENT			
NameExecution DateANTON ZELENOV08/21/2017NIKOLAY DOBROVOLSKIY08/21/2017SERGUEI M BELOUSSOV09/01/2017ALEXEY KORYAKIN08/21/2017RECEIVING PARTY DATARECEIVING PARTY DATAStreet Address:VORDERGASSE 59City:SCHAFFHAUSENStreet Address:VORDERGASSE 59City:SCHAFFHAUSENState/Country:SWITZERLANDPostal Code:Postal Code:8200PROPERTY NUMBERS Total: 1PROPERTY NUMBERS Total: 1Property TypeNumberCORRESPONDENCE DATAFax Number:(212)484-3990Correspondence 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 using a fax number:Name:212-484-3900Email:patentdocket@arentfox.comCorrespondent Name:ARENT FOX LLPAddress Line 1:1675 BROADWAYAddress Line 1:1675 BROADWAYAddress Line 4:NEW YORK, NEW YORK 10019ATTORNEY DOCKET NUMBER:037244-00016VAME OF SUBMITTER:MICHAEL FAINBERGSIGNATURE://Michael Fainberg/ODATE SIGNED:09/05/2017	NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
NameExecution DateANTON ZELENOV08/21/2017NIKOLAY DOBROVOLSKIY08/21/2017SERGUEI M BELOUSSOV09/01/2017ALEXEY KORYAKIN08/21/2017RECEIVING PARTY DATARECEIVING PARTY DATAStreet Address:VORDERGASSE 59City:SCHAFFHAUSENStreet Address:VORDERGASSE 59City:SCHAFFHAUSENState/Country:SWITZERLANDPostal Code:Postal Code:8200PROPERTY NUMBERS Total: 1PROPERTY NUMBERS Total: 1Property TypeNumberCORRESPONDENCE DATAFax Number:(212)484-3990Correspondence 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 using a fax number:Name:212-484-3900Email:patentdocket@arentfox.comCorrespondent Name:ARENT FOX LLPAddress Line 1:1675 BROADWAYAddress Line 1:1675 BROADWAYAddress Line 4:NEW YORK, NEW YORK 10019ATTORNEY DOCKET NUMBER:037244-00016VAME OF SUBMITTER:MICHAEL FAINBERGSIGNATURE://Michael Fainberg/ODATE SIGNED:09/05/2017	CONVEYING PARTY DA	TA				
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This document serves as an Oath/Declaration (37 CFR 1.63).	Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	(2 sent to provided; 2 p A 1 N	the e-mail address first; if that is if that is unsuccessful, it will be 12-484-3900 atentdocket@arentfox.com RENT FOX LLP 675 BROADWAY IEW YORK, NEW YORK 10019 037244-00016 MICHAEL FAINBERG			
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> PATENT REEL: 043485 FRAME: 0294

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT				
Title of OFFLOADING GPU COMPUTATIONS FOR COMPUTERS AND VIRTUAL MACHINES				
As the below named inventor, I declare that:				
This declaration is directed to: X The attached application, or				
United States application or PCT international application number				
The above-identified application was made or authorized to be made by me.				
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.				
I have reviewed and understand the contents of the above-identified application, including the claims.				
I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.66, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or POT International filing date of the continuation-in-part application.				
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as assigner, hereby sali, assign and set over to Parallels International GmbH, having an address at Vordergasse 59, Schaffhausen, Switzerland 8200, as assignee, the entire right, title and interest for the United States and all other countries in and to all inventions disclosed and/or claimed in the above-identified application, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting there from to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my logal representatives, heirs and assigns do hereby agree and overant without further remuneration, to execute and deliver all divisional, continuation, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all awful papers, make all rightful oaths, and to do generally everything necessary to essist assignee, its successors, assigns and nominees to obtain patent protection for said inventions in the United States and all other countries. The expenses incident to said applications to be bome and patents assignee.				
The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.				
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowlodge that willful false statements and the like are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both, and may jeopardize the validity of the application or any patent issuing thereon.				
LEGAL NAME OF INVENTOR				
Inventor: Serguei Beloussoy Date: 01.09.2017				
**Signature:				

<sup>11</sup> An electronic S-signature is permitted. The S-signature must consist only of letters, or Arabic numerals, or both, with appropriate spaces and commas, periods, apostrophes, or hyphens for punctuation, and the person signing the correspondence must insert his or her own S-signature with a first single forward slash mark before and a second single forward slash mark after the S-signature (e.g., /Dr. Jamas T. Jones, Jr./).

Page # 1

initial 10/02/12

AFDOCS/15331212.1

Title of Invention	OFFLOADING GPU COMPUTATIONS FOR COMPUTERS AND VIRTUAL MACHINES
As the bek	ow named inventor, I declare that:
This declar is directed	
	X The attached application, or
	United States application or PCT international application number
The above-i	dentified application was made or authorized to be made by me.
I believe tha	t I am the original inventor or an original joint leventor of a claimed inventible in the application.
I have revie	wee and understand the contents of the above identified application, including the claims.
material to p became ava	ge the duty to diadose to the United States Patent and Trademark Office all information known to me to be satentability as defined in 37 CFR 1.56, including for continuation-In-part applications, material information which diable between the filling date of the prior application and the national or PCT International filling date of the -kn-part application.
essign and a NOR, as as chaldeard to applications prorify from Tratemarks herein, do a sassigns do t and other ap communical requested, to aucressors, the expense	d valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as assigned, hereby sell, pet over to Parallelis International GmbH, having an address and at Vordergese 59, Schaffmausen, Swizetland segmes, the suffer right, the end internet to the United States and at other countries, including all interdeces and parents applied for or granted herebrir in the United States and all other countries, including all rights of the faing of said application, and all rights for past intergenent, and the Countries, including all rights of interdeces and explored and explorate the past intergenent, and the Countries, including all rights of a hereby subscripted and explorate the past intergenent, and the Countries including all rights of interfaing of said application, and all rights for past intergenent, and the Countries including all rights of a hereby subscripted and explorate to past intergenent, and the Countries for the said stations as tender subscripted and explorate to past intergenent, and the Countries including all rights of a hereby subscripted and explorate and patients on said inventions or resulting there from to said stations as tender and explorate which is there remuneration to execute and deriver all diversities, continuation, mission and paster for Patient on said inventions and all statismout in the tendersigned for and essigned or its assigned to the said assigned or its assigned to the said assigned or its assigned or the remumeration, to be undersigned restructing and inventions, whenever to tasket paster to risk representatives all facts from to the undersigned respecting and inventions, whenever a statig is non-interfarences or other tage proceedings in which any of said applications or automs may before assigned and nominees to other parter protection for said meetions in the United States and all other countries, assigned and polications to be home and paid by said assigned.
The undersi entered into	gned hereby opverants that no assignment, sale, agreement or ancumbrance has been or will be made or which would conflict with this assignment.
<ul> <li>believed to t are punished</li> </ul>	its made herein of my/our own knowledge are true, all statements made herein on information and belief are be true, and further that these statements were made with the knowledge that wiliful faise statements and the like ble under 18 U.S.C. 1991 by face or imprisonment of not more then five (3) years, or both, and may jecterdize the e application or any patent leading thereon.
LEGAL NA	ME OF INVENTOR
Inventor:	Arition Zelengov, Date 3/21/2012-
**Signature	·

(e.g., /Dr. James T. Jones, Jr./).

Page #1

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT				
Title of Invention	OFFLOADING GPU COMPUTATIONS FOR COMPUTERS AND VIRTUAL MACHINES			
As the bel	ow named inventor, I declare that:			
This decis				
is directed	to X The attached application, or			
	United States application or PCT international application number			
The above-	dentified application was made or authorized to be made by me.			
l believe flx	( i am the original inventor or an original joint inventor of a cloimed invention in the application.			
l have tevie	wed and understand the contents of the above-identified application, including the claims.			
material to ; became av	ge the surp to discusse to the United States Patent and Trademark Office at Information known to me to be retentativity as defined in 37 CFR 1.56, including for carenualizationspart applications, material information which datase between the filing date of the prior application and the national or PCT International filing date of the -in-pan application.			
assignt and \$200, is as disclosed a applications priority from Trademarks horeon, as a designs do and action a communication requested, i involved, to successors	d valuable consideration, the receipt and aufficiency of which is hereby acknowledged, i, as assigned, hereby esti- and over to Parallels International Gretel , hereng as actives at Vordergass 56, Scheiffreusen, Swätswiend signee, the entire right tils and internation to the United States and at other cautines in and to all inventions and patients in the above identified application, all organis, divectinal, continuation, autoituding all inventions and patients applied for or granted thorefer in the United States and at other cautines in and to all inventions and patients applied for an granted thorefer in the United States and at other cautines, including all rights of the filing of said application, and all rights for part intragement, and the Commissioner of Potends and is hereby appreciated respectively to said an end of the memory of Potends and assignee of the online interest therein, and the undersigned for myself and my legal representatives, here and any appreciate or the applications and all applies to part intragements and the Commissioner of Potends and assignee of the online interest therein, and the undersigned for myself and my legal representatives, here and any applications for Falsen in and the undersigned to myself and my legal representatives, here and interesting appreciated to save all assignments thereal to save assignme or its assigner. Of here the save assignees or its representatives all facts known to the undersigned respecting and inventions, whenever to testify in any interferences or other legal protectings in which any of save applications of patients assigned tables and to be patiently nearest applications of patients and any avoid assignees, its assign and lawful papers', make all rights of the save presently eventual patients and all other ordinaries, and assign and lawful papers', make all rights of the tome and paid by sale assignee.			
The unders entered Into	ghed hereby coverants that no assignment, sale, agreement or encombrance has been or will be made or which would conflict with this assignment.			
<ul> <li>believed to are punishar</li> </ul>	its made herein of my/our own knowledge are true, all statements made herein on information and belief are be true, and further that these statements were made with the knowledge that witful false statements and the tke bie under 13 U.S.C. 1001 by time or imprisonment of not more than five (5) years, or both, and may jeopardize the e application or any patent issuing therears.			
LEGAL N	ME OF INVENTOR			
Investor:	Alexey Koryakin Date : 8/24/2017			
**Bignatur	. <u>G</u>			

\*\* An electronic S-signature is permitted. The S-signature must consist only of letters, or Arabic numerals, or both, with appropriate spaces and commas, periods, apostrophes, or hypnens for punctuation, and <u>the person signature with a first single forward slash mark before and a second single forward slash mark after the S-signature (e.g., (Dr. James T. Jones, Jr./).</u>

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Page # 1

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itle of vention	OFFLOADING GPU COMPUTATIONS FOR COMPUTERS AND VIRTUAL MACHINES
As the belo	4
This declar is directed	
	United States application or PCT international application number
	filed on
The above-k	rentilied application was made or authorized to be made by mo.
	t am the original inventor or an original joint inventor of a claimed invention in the application.
	led and understand the contents of the above identified application, including the claims.
material to p became ave	is the aver to declose to the United States Patent and Trademerk Office all information known to me to be atomatisate as defined in 92 IOPR 5.55, noticing for continuation-in-part applications, material information which lable between the filing date of the poor application and the national or PCT International filing date of the in-part application.
essign and s \$200, sa ess disclosed an applications priority from Trademarks herein, as as assigns do h and other ap nonimunical conjuested, to metores and succession.	I valuable consideration, the receipt and sufficiency of which is hereby actinowledged, I, et assigner, hereby sell, et over to Paratietis International GmbH. I saving an actives at vanchagasse 0.8. Schaffhatten, Switzerland ignes, the entire right, she and interest for the United States and all other countries in and to all investions and splates and an attraction and to all investions and splates and an attraction and the investion and to all investions and and the entire right, she and interest for the United States and all other countries in and to all investions and particular and a splate to regrammed fluorebox is the United States and all other countries, including all lights of the finite of states and all other countries including all lights of the finite of states and all other countries including all lights of the finite states and all other countries, including all lights of the tenders astronates and another to make and an all including all lights of the states and an operated to also all patients and all other countries including all lights of an analysis and and excepted to also all patients for and all regimes and to all investions and all states and all other countries, including all lights of areas and all other countries including all lights of an any agree and non-antices in tenses therein more all on all excepted to make all patients and all assignees of the entre internet which the tarter remune allon, to execute and deliver all divisional, continuation, relations, and the undersigned tenses of the advisioned. Internetions are all assignees to the advisioned on all assignments thereof to said dissignee or its assigns, the set of a state assignees or the representatives all tarts from to the undersigned respecting said investors, whereas a lightly in all producting an write any of said applications or ablets may become up attemption actives all tarts from to any of said applications or ablets and patients or the representatives are tarted by any orepresenting and target producting an wri
The undersig entered into	med hereby covenants that no assignment, sale, agreement or enclumbrance has been or will be made or which would conflict with this assignment
believed to b are punishet	is made herein of mylour own experiedge are true, all eleternente made herein un information and belief are a true, and further that there statements were made with the knowledge mot with I laise statements and the like as under 16 U.S.C. 1001 by fine or imprecontient of not more then five (5) years, or both, and may jedgerdize the explication or any patent issuing therears.
LEGAL NA	ME OF INVENTOR
Inventor:	Nikolay Dobrovolskiy
**Sionatura	

(e.g., APr. James T. Janes, Jr.).

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