#### 504469192 07/21/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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YINAN JIANG	05/26/2017
KELLY DONALD CLARK ZYTARUK	06/26/2017

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15637810

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ATTORNEY DOCKET NUMBER:	ATI-170089-US-NP
NAME OF SUBMITTER:	JOSHUA A. HAMBERGER
SIGNATURE:	/Joshua A. Hamberger/
DATE SIGNED:	07/21/2017

#### **Total Attachments: 6**

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> PATENT REEL: 043071 FRAME: 0334

AMD Reference No. 170089-US-NP

#### ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) Anthony Asaro, Yinan Jiang and Kelly Donald Clark Zytaruk (hereinafter referred to as the "Inventor") and ATI Technologies ULC, having a place of business at One Commerce Valley Drive East, Markham, Ontario, Canada (hereinafter referred to as the "Assignee").

WHEREAS, Inventor is named as an inventor(s) in the patent application filed in the United States of America on \_\_June 29, 2017 \_\_\_\_\_, entitled REGISTER PARTITION AND PROTECTION FOR VIRTUALIZED PROCESSING DEVICE having application no. \_\_15/637,810 \_\_\_\_\_, and having a docket number of ATI-170089-US-NP (hereinafter referred to as the "Application"); and

WHEREAS, Assignee has a desire to acquire all rights, title, and interest in the invention(s) disclosed in the Application (hereinafter referred to as the "Invention(s)"), including any rights, title, and interest in the Invention(s) not previously transferred to Assignee through prior agreement.

NOW, THEREFORE, the parties agree as follows:

- To the extent that Inventor is subject to a prior agreement transferring rights, title, and/or interest in the Invention(s) to the Assignee, Inventor hereby confirms such transfer.
- 2. To the extent that Inventor retains any rights, title, or interest in the Invention(s) not vested in the Assignee on the date(s) of execution of this Assignment, Inventor hereby assigns and otherwise transfers to the Assignee Inventor's entire right, title, and interest, throughout the world, in and to: the Invention(s), including any patent applications, patents, invention registrations, and equivalents thereof (including any and all provisional, international, regional, and national patents and patent applications, and all divisional applications, continuation applications, continuation-in-part applications, renewals, reissue applications, reexamination applications, substitutes, and extensions thereof), for the Invention(s) and all rights to claim priority thereto. Inventor further assigns and otherwise transfers to Assignee all causes of action and remedies arising under any patent or patent application for the

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Invention(s) prior to, on, or after the date(s) of execution of this Assignment. Inventor shall not be entitled to an accounting for any causes of action or remedies

3. To the extent not covered by Paragraph 2, Inventor hereby assigns and transfers to

pursued by Assignee.

the Assignee, all right, title, and interest, design and patent rights and all causes of action and remedies arising therefrom, that Inventor may have acquired during Inventor's employment/engagement with the Assignee, in and to all ideas, inventions, and works of authorship, including, without limitation, computer programs, software and documentation, improvements, or discoveries which Inventor conceived, made, developed, or worked on (whether solely or jointly with others, and whether or not copyrightable or patentable or reduced to drawings, written description, documentation, models, or other tangible form) during the term of Inventor's employment/engagement and that relate either to Assignee's products,

manufacturing processes, manufacturing equipment, process controls, services, or

research and development, or to Inventor's employment/engagement activities

(collectively "Work Product"). Inventor hereby waives, in favor of the Assignee, all

moral rights arising under the Copyright Act (Canada) as amended (or any

successor legislation of similar effect) or similar legislation in any applicable jurisdiction, or at common law, to the full extent that such rights may be waived in

each respective jurisdiction, that Inventor may have now or in the future with respect

to the Work Product.

4. The transfers set forth in Paragraphs 1, 2, and 3 above are in consideration for the

sum of at least one U.S. dollar (US\$1) (or its equivalent) and/or other consideration

for which both parties acknowledge to be valuable. Such consideration includes but

is not limited to at least one of the following: continued employment/engagement,

monetary payment (including the one specifically referenced herein), or other benefit

hereby acknowledged as received.

5. During and after Inventor's employment/engagement with the Assignee, Inventor will

assist the Assignee in every reasonable way to obtain and maintain, for the use and

benefit of the Assignee or its nominees, patents, copyrights, or other protection for

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any ideas, inventions, works of authorship, improvements, or discoveries, including

(without limitation) by signing any papers, authorizations, applications, or

assignments, making and keeping proper records, and providing evidence or

testimony. Assignee will pay for any actual and reasonable expenses Inventor

incurs in providing such assistance. If Assignee is unable for any reason to secure

Inventor's signature to apply for or to pursue any application for any Canadian or

foreign patents or copyright, trademark, or other registrations covering the Work

Products as assigned to the Assignee above, then Inventor hereby irrevocably

appoint the Assignee as Inventor's lawful attorney and agent, to act for and on

Inventor's behalf and stead to execute and file any such applications and to do all

other lawfully permitted acts to further the prosecution and issuance of letters patent,

copyright, trademark, or other registrations thereon with the same legal force and

effect as if executed by Inventor, and Inventor declares that this power of attorney

shall be deemed to be coupled with an interest and irrevocable, and may be

exercised during any subsequent legal incapacity.

6. Inventor hereby authorizes and requests the Commissioner of Patents and

Trademarks, or equivalent thereof, to issue the patent for the Invention, and all

resulting patents therefrom, insofar as the Inventor's interest is concerned, to the

Assignee.

7. Inventor further agrees to execute any and all powers of attorney, applications,

assignments, declarations, affidavits, and any other papers in connection therewith

necessary to perfect Assignee's rights, title, and interest in the Invention(s).

8. Inventor hereby authorizes Assignee, its successors and assigns, its legal

representatives, or anyone the Assignee may properly designate, to insert in this

Assignment of Patent Rights the filing date and/or application number of the

Application when ascertained.

9. Inventor hereby further agrees to, with respect to any patent application or patent for

the Invention(s), at the expense of the Assignee:

i) testify in any legal proceedings,

ii) sign all lawful papers,

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- iii) execute all divisional, continuation, continuation-in-part, reissue, reexamination, and substitute applications,
- iv) make all lawful oaths, and assist in vesting title in the Assignee and to aid the Assignee to obtain and enforce proper protection for the subject matter of the Invention(s) in all countries and regions, and
- v) notify Assignee promptly (by facsimile or first class mail) of any subpoena or contact by any person other than Assignee or its agents regarding the Invention or resultant patent(s) issuing therefrom, and in any event at least one week prior to any deposition, legal inquiry or legal proceeding relating to the above identified invention.

This assignment is executed on the date of which the Inventor has signed.

Inventor: Anthony Asaro		
-37 <sub>0y40</sub>	◯(Signature) ☑️ (Print Name)	<u>Mg 26/2α((</u> bate)
Province of: Regional Municipality of:	Ontaio) Nachhem)	(Seal):
Before me personally ap foregoing instrument to be	peared said Wony De his/her free act and de	and acknowledged the ed this 26 th day o
		- Alaton)

(Gorel Bosun)

Inventor: Yinan Jiang		
Yinan Jey Jiang Yinan Jiang	(Signature) (Print Name)	May 26 201 (Date)
Province of: Regional Municipality of:	ONTON) Markhom)	(Seal):
Before me personally appropriate to be	peared said <u>Yinan</u> his/her free act and d	Siung and acknowledged the eed this <u>みらい</u> day of
	······································	(Notary) (Socel Bosan)

Inventor: Kelly Donald Clark	Zytaruk	
Mally 24tocox	(Signature) (Print Name)	<u> </u>
Province of: Regional Municipality of:	Ontario) Markham	(Seal):
Before me personally app foregoing instrument to be <u>ろいた</u> 20分	. 37	and acknowledged the ed this <u>26㎡</u> day of