### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6629420

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SIARHEI ZALIVAKA	03/26/2021
ALEXANDER IVANIUK	03/26/2021

#### **RECEIVING PARTY DATA**

Name:	SK HYNIX INC.
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17216934

#### **CORRESPONDENCE DATA**

Fax Number: (571)327-5452

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: 5713275450

Email: ipntlaw@ipntlaw.com Correspondent Name: IP & T GROUP LLP Address Line 1: 8230 LEESBURG PIKE

Address Line 2: SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	P20SFS0005/US
NAME OF SUBMITTER:	JEONGSOOK YI
SIGNATURE:	/Jeongsook YI/
DATE SIGNED:	03/30/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 2**

source=Untitled Extract Pages#page1.tif source=Untitled Extract Pages#page2.tif

> **PATENT REEL: 055765 FRAME: 0628** 506582639

## ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS SIBRIEL ZALIVAKA, hereinafter referred to collectively as the
assignor and inventor, has invented a certain improvement relating to
WORKLOAD-AWARE MEMORY CONTROLLER BASED ON COMPACT WORKLOAD REPRESENTATION AND METHOD THEREOF
[X] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on
AND WHEREAS SK hynix Inc. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents
which may be granted therefor, including any and all renewals, reissues and prolongations thereof;
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
ASSIGNOR (INVENTOR):
Signature:
Printed or Typed Name: Siarhei ZALIVAKA

Page 1 of 2

Attorney Docket No.: P20SFS0005

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	Alexander IVANIUK	, hereinafter referred to collectively as the	
	as invented a certain improvement rela		
The state of the s		BASED ON COMPACT WORKLOAD	
	ND METHOD THEREOF ,		
<u> </u>			
[X] said application bein	g attached hereto;	on the second second	
[ ] said application havi	ng been filed in the United States Pate	ent and Trademark Office on and was amen	dod
	as Application Serial No	· · · · · · · · · · · · · · · · · · ·	Iucu
on	(if applica	peration Treaty on	
I the specification of v	vnich was filed under the Patent Coop the United States of A	America heing designated	
Settat 140.	, the Officer States of 2	illicited come working.	
		yeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do,	
Republic of Korea		of acceptation the entire right title and interest in and to said	í
application, including ar	s the assignee or applicant, is desirous by and all divisions and continuations herefor, including any and all renewals	of acquiring the entire right, title and interest in and to said thereof, and in and to said invention and any and all patents s, reissues and prolongations thereof;	3.
consideration paid by s assigns, sells and transfe interest in and to said ap any and all patents whic assignee, and said assign all divisions and contir including any and all re anywise arising from of including any and all re assignee's successors are enjoyed the same, if this	aid assignee to said assignor, the re- crs to said assignee, and said assignee oplication, including any and all division the may be granted therefor, including nee's successors and assigns, to have, muations thereof, and the said invent newals, reissues and prolongations the rappertaining thereto, for and during renewals, reissues and prolongations and assigns, in as ample and beneficial assignment had not been made.	deration of One Dollar (\$1.00), and other good and valu- ceipt of which is hereby acknowledged, said assignor here's successors and assigns, the full and exclusive right, title ions and continuations thereof, and in and to said invention g any and all renewals, reissues and prolongations thereof; hold, exercise and enjoy the said application, including any tion and any and all patents which may be granted there hereof, with all the rights, powers, privileges and advantage g the term or terms of any and all such patents when grants is thereof, for the use and benefit of said assignee, and all a manner as the said assignor might or could have held	reby and and said and efor, es in nted said
AND said assi assigns, any and all acts and prolongations there	relating to the obtaining or to the as	n the request of said assignee, or said assignee's successon serting of said patents, including any and all renewals, reis	s or
AND said assignation, and on assigns, in accordance h	any and all divisions and continuation	missioner of Patents and Trademarks to issue Letters Pater ons thereof, to said assignee, and said assignee's successors	it or and
As an above-n made by me, and that I	amed inventor, I hereby declare that am the original inventor or an original	the above-identified application was made or authorized t joint inventor of a claimed invention in the application.	o be
I hereby ackno by fine or imprisonment	wledge that any willful false stateme t of not more than five (5) years, or bo	ont made in this declaration is punishable under 18 U.S.C. 1 oth.	1001
ASSIGNOR (INVENT	OR):		
Signature:	Jubeccut	Date: <u>26,03,2021</u>	
Printed or Typed Name	: Alexander IVA	NIUK.	
The state of the s			

Page 2 of 2

**RECORDED: 03/30/2021**