505017657 07/24/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5064405

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GRZEGORZ P. SZCZEPANIK	07/11/2018
LUKASZ JAKUB PALUS	07/11/2018
KUSHAL PATEL	07/11/2018
SARVESH PATEL	07/11/2018

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16043703

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NAME OF SUBMITTER:	ANDREW D. WRIGHT	
SIGNATURE:	/Andrew D. Wright/	
DATE SIGNED: 07/24/2018		
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 4

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PATENT REEL: 046443 FRAME: 0497 505017657

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PATENT REEL: 046443 FRAME: 0498

IBM DOCKET NUMBER: P201707928US01

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: STORAGE CONTROLLER WITH OCS FOR MANAGING ACTIVE-PASSIVE BACKEND STORAGE ARRAYS

As a below named and undersigned inventor, I hereby declare that:		
This declaration is directed to the attached application, or (if following box is checked):		
[] United States application or PCT international application number		
filed on		
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 application, including the claims.		
I am aware of 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 Section 1.56.		

Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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IBM DOCKET NUMBER: P201707928US01

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights bereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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.

Signature: Jan Silule	Date: 11/07/2019
(1) Legal Name of Inventor; Grzegorz P. SZCZEPANIK	
Signature: <u>falsos Colu</u>	Date: 41.07.2018)
(2) Legal Name of Inventor: Lukasz Jakub PALUS	
Signature:	Date:
3) Legal Name of Inventor: Kushal PATEL	
Signature:	Date:

Page 2 of 2

(3) Legal Name of Inventor: Sarvesh PATEL

BALLOCK COMBRESSION

DECLARATION OF CAR LEG FOR UTILITY PADENT APPLICATION USING AN APPLICATION DATA SHEET OF CARE LIGHT AND ASSOCIATION

THE PERSONNEL STORAGE CONTROLLER WITH ORSE FOR MANAGEMENT ACTIVE PASSIVE BACKENDS FOR OLD ARRESTS

A between that I are the original investment as an exemption investor of a classical investor in the original and

Flure reviewed and understand the contents of the application, including the claims.

Each review of the days to disclose to the Cornel State Places, and Trademark Office all incompanies Representation to the dispersal to propositional according to \$10.5 kg section 1.56.

Whereas The SNOW R I have place common oversions improvements, and discovering therein referred to the "Oversion" in the decrease described papers replication and further identified by the IBM Decrease Number provided there is the related of this decrease.

Whereas International Business Machines Corporation thereon referred to as the "ASSESSEE" acceptoration of New York having a place of business at Acmonk. New York designs to acquire until aware to grade to the ASSIGNEE are come words wide right to be additioned to and to the forestion and many to any situation applications and patients directed there.

And therefore, for good and variable consideration, the record and sufficiency force of security business. acknowledges). Therefored or have sold assign or love accioned, and otherwise conserve have transferred to the ASSENEE, to successors logal representatives, and plugges, my course would write dight, title, and operest in and to the Invention, the above identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor or the United States and in all Everyn courines and presidence, including all divisions. amiliations, research reexaminations, renewalk extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filling of such applications and granting of such pairing to addition. Thereby authorize and request the Director of the United States Pairin and Tradeback Office to make any finish States Patent, and foreign patent authorates to assuce any foreign pagent grantes for the diversion to the ASSICNEE. Its successive representatives and institute to ding specificate right rise, and interest in and in the same to be new and expensed by the ASSIGNER. Market Control of the paratic year for ground as fully and entirely as wealth for a freezonesic good and entryed to some load the Assignment and bear more, and I given to execute any and all documents and marting the particular and persons all towing acts resembly records to recording this Association of perfecting title to the Internation and all related patents and applications in the 155/E/SEE to successor, local representatives and account

BALLAN KETALAHIR PERIODAHAN

Effective an knowledge that any will follow exponent made in the declaration is particular to the ES ST 1991 for the common organization and more than the Company or texts.

Network	Date
(1) Lagal Name of Inventor, Grzegorz P. SZCZEPANIK	
Algoritus	Date
(2) Legal Name of Inventor Linkson Juliub PALUS	
Sensor 10 424	Date 11 th 12 th 1
(3) Legal Status of Inventor Kushal PATEL	
Signature	- mar 1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Contract National Engineer Surveys PATEL	

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