504478179 07/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4524881

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NORBERT P. KUSTERS	07/06/2017
NACHIAPPAN ARUMUGAM	07/06/2017
CHRISTOPHER NATHAN WATSON	07/07/2017
MARC JOHN BROOKER	07/06/2017
DAVID R. RICHARDSON	07/11/2017
DANNY WEI	07/10/2017
JOHN LUTHER GUTHRIE II	07/07/2017
LEAH SHALEV	07/13/2017

RECEIVING PARTY DATA

Name:	AMAZON TECHNOLOGIES, INC.	
Street Address:	PO BOX 81226	
City:	SEATTLE	
State/Country:	WASHINGTON	
Postal Code:	98108-1226	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15392806

CORRESPONDENCE DATA

Fax Number: (512)853-8801

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: 512-853-8800

Email: mmoffitt@intprop.com **Correspondent Name:** ROBERT C. KOWERT

Address Line 1: PO BOX 398

Address Line 4: AUSTIN, TEXAS 78767-0398

ATTORNEY DOCKET NUMBER:	6924-40900
NAME OF SUBMITTER:	ROBERT C. KOWERT
SIGNATURE:	/Robert C. Kowert/

PATENT 504478179 REEL: 043124 FRAME: 0263

DATE SIGNED:	07/28/2017
7	This document serves as an Oath/Declaration (37 CFR 1.63)
otal Attachments: 12	
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ource=PM14075-US_Assign-Dec#page2	2.tif
source=PM14075-US_Assign-Dec#page3	3.tif
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PATENT REEL: 043124 FRAME: 0264

U.S. Patent Appln. No. <u>15/392,806</u>

Filing Date <u>December 28, 2016</u>

Client Docket No. <u>PM14075-US</u>

PARTIES TO THE ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

NORBERT P. KUSTERS

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Seattle, WA 98109-5210

DAVID R. RICHARDSON
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JOHN LUTHER GUTHRIE, II
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Seattle, WA 98109-5210

MARC JOHN BROOKERLEAH SHALEV410 Terry Avenue North410 Terry Avenue NorthSeattle, WA 98109-5210Seattle, WA 98109-5210

Assignee: Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226

for recordation.

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"DATA STORAGE SYSTEM WITH ENFORCED FENCING" (Invention) for which a non-provisional application for United States Letters Patent (Application):

| was filed on December 28, 2016 and accorded U.S. Application No. 15/392,806; or
| will be filed concurrently with the submission of this executed PATENT ASSIGNMENT

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

U.S. Patent Appln. No. 15/392,806

Attorney Docket No. 6924-40900

Filing Date December 28, 2016

Client Docket No. PM14075-US

Title of Invention: DATA STORAGE SYSTEM WITH ENFORCED FENCING

Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGAM, CHRISTOPHER NATHAN

WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, DANNY WEI, JOHN LUTHER

GUTHRIE, II, LEAH SHALEV

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C, associated with Customer No. 136594, to insert

in the header above and here in parentheses (U.S. Patent Application No. 15/392,806, filed

December 28, 2016) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the

entire right, title and interest in and to the Invention and in and to any letters patent that may

be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of

which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its

successors and assigns, the entire right, title and interest in and to said Invention and any

improvements thereto, said Application and any and all letters patent which may be granted for

said Invention in the United States of America and its territorial possessions and in any and all

foreign countries, and in any and all provisional, divisions, reissues, re-examinations and

continuations thereof, including the right to file foreign applications directly in the name of

ASSIGNEE and to claim priority rights deriving from said Application to which said foreign

applications are entitled by virtue of international convention, treaty or otherwise, said

Invention, Application and all letters patent on said Invention to be held and enjoyed by

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and

assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had

this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request

the Commissioner of Patents and Trademarks, as well as all other applicable patent offices

Page 2 of 12

PATENT REEL: 043124 FRAME: 0266

U.S. Patent Appln. No. 15/392,806

Attorney Docket No. 6924-40900

Filing Date December 28, 2016

Client Docket No. PM14075-US

Title of Invention: DATA STORAGE SYSTEM WITH ENFORCED FENCING

Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGAM, CHRISTOPHER NATHAN

WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, DANNY WEI, JOHN LUTHER

GUTHRIE, II, LEAH SHALEV

throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S)

agree to execute all instruments and documents required for the making and prosecution of

applications for United States and foreign letters patent on said Invention, for litigation

regarding said letters patent, or for the purpose of protecting title to said Invention or letters

patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its

successors, legal representatives, and assigns all claims for damages and all remedies arising out

of any violation of the rights assigned hereby that may have accrued prior to the date of

assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue

for, collect, and retain damages for past infringements of said letters patent before or after

issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will

communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to

ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist

in the preparation of any other patent property relating to the Application and the Invention or

any improvements made thereto, sign/execute all lawful papers, provide all requested

documents, execute and make all rightful oaths and/or declarations in connection with the

Application and the Invention including any improvements made thereto, any patent

applications filed therefrom, and any continuing application filed from any of the

aforementioned applications, and generally do everything possible to aid ASSIGNEE, its

Page 3 of 12

PATENT REEL: 043124 FRAME: 0267

U.S. Patent Appln. No. 15/392,806

Attorney Docket No. 6924-40900

Filing Date December 28, 2016

Client Docket No. PM14075-US

Title of Invention: <u>DATA STORAGE SYSTEM WITH ENFORCED FENCING</u>

Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGAM, CHRISTOPHER NATHAN WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, DANNY WEI, JOHN LUTHER GUTHRIE, II, LEAH SHALEV

successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. PM14075-US
Title of Invention: <u>DATA STORAGE SYSTEM WIT</u>	H ENFORCED FENCING
Inventors: NORBERT P. KUSTERS, NACHIAPPA WATSON, MARC JOHN BROOKER, DAVID R. R GUTHRIE, II, LEAH SHALEV	
DECLARATION	
As a below named inventor, I hereby declare t	hat:
This declaration is directed to:	
the attached application; or	
United States Patent Application n	umber <u>15/392,806</u> filed on <u>December 28, 2016</u> ; or
PCT International Application num	ber 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 o	riginal joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents of	of the above-identified application, and
acknowledge the duty to disclose to the US Pa	tent & Trademark Office all information known to
me to be material to the patentability as defin	ed in 37 CFR 1.56.
I hereby acknowledge that any willful false sta	tement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of	not more than five (5) years, or both.
Morbert P. Eusters/	
NORBERT P. KUSTERS	
HORDENT I. NOSTENS	
July 6, 2017	
Date	

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. <u>PM14075-US</u>
Title of Invention: <u>DATA STORAGE SYSTEM</u>	WITH ENFORCED FENCING
· · · · · · · · · · · · · · · · · · ·	PPAN ARUMUGAM, CHRISTOPHER NATHAN R. RICHARDSON, DANNY WEI, JOHN LUTHER
<u>DECLARATION</u>	
As a below named inventor, I hereby decla	re that:
This declaration is directed to:	
$\hfill\Box$ the attached application; or	
United States Patent Application	on number <u>15/392,806</u> filed on <u>December 28, 2016</u> ; or
PCT International Application n	umber filed on
The above-identified application was made	e or authorized to be made by me.
I believe that I am the original inventor or a	an original joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the conte	nts of the above-identified application, and
acknowledge the duty to disclose to the US	S Patent & Trademark Office all information known to
me to be material to the patentability as d	efined in 37 CFR 1.56.
I hereby acknowledge that any willful false	statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonmer	·
DocuSigned by:	
/Nachiappan Arumugam/	
NACHIAPPAN ARUMUGAM	
July 6, 2017	
Date	

Page 6 of 12

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. PM14075-US
Title of Invention: <u>DATA STORAGE SYSTEM</u>	WITH ENFORCED FENCING
	APPAN ARUMUGAM, CHRISTOPHER NATHAN R. RICHARDSON, DANNY WEI, JOHN LUTHER
DECLARATION	
As a below named inventor, I hereby decl	are that:
This declaration is directed to:	
igsqcup the attached application; or	
United States Patent Applicati	on number <u>15/392,806</u> filed on <u>December 28, 2016</u> ; or
PCT International Application	number filed on
The above-identified application was mad	le or authorized to be made by me.
I believe that I am the original inventor or application.	an original joint inventor of a claimed Invention in the
I have reviewed and understand the conto	ents of the above-identified application, and
acknowledge the duty to disclose to the U	IS Patent & Trademark Office all information known to
me to be material to the patentability as	defined in 37 CFR 1.56.
I hereby acknowledge that any willful fals	e statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonme	nt of not more than five (5) years, or both.
Docusigned by: / Christopher Nathan Watson/ 82BC6B21351F49F CHRISTOPHER NATHAN WATSON	
July 7, 2017 Date	

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. PM14075-US
Title of Invention: <u>DATA STORAGE SYSTEM WITH ENFOR</u>	CED FENCING
Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMI WATSON, MARC JOHN BROOKER, DAVID R. RICHARDS GUTHRIE, II, LEAH SHALEV	
<u>DECLARATION</u>	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
$igotimes$ United States Patent Application number $\underline{ ext{15}}$	5/392,806 filed on <u>December 28, 2016</u> ; or
PCT International Application number	filed on
The above-identified application was made or authorize	ed to be made by me.
I believe that I am the original inventor or an original join	int inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents of the abo	ove-identified application, and
acknowledge the duty to disclose to the US Patent & Tra	ademark Office all information known to
me to be material to the patentability as defined in 37 (CFR 1.56.
I hereby acknowledge that any willful false statement m	nade in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not more	e than five (5) years, or both.
Marc John Brooker	
MARC JOHN BROOKER	
July 6, 2017	
Date	

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. PM14075-US
Title of Invention: <u>DATA STORAGE SYSTEM WITH ENFORCED</u>	<u>FENCING</u>
Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGA WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, GUTHRIE, II, LEAH SHALEV	
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
igstyle United States Patent Application number $15/392$	<u>2,806</u> filed on <u>December 28, 2016</u> ; 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 in	nventor of a claimed Invention in the
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I hereby acknowledge that any willful false statement made	in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not more that	an five (5) years, or both.
DeauSigned by	
David R. Kichardson/	
PAVID B. DICHARDSON	
DAVID R. RICHARDSON	
July 11, 2017	
Date	

U.S. Patent Appln. No. 15/392,806 Attorney Docket No. 6924-40900 Filing Date December 28, 2016 Client Docket No. PM14075-US Title of Invention: <u>DATA STORAGE SYSTEM WITH ENFORCED FENCING</u> Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGAM, CHRISTOPHER NATHAN WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, DANNY WEI, JOHN LUTHER **GUTHRIE, II, LEAH SHALEV DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number <u>15/392,806</u> filed on <u>December 28, 2016</u>; 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 above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. Manny Weil -491473B5041E403... **DANNY WEI** July 10, 2017 Date

U.S. Patent Appln. No. <u>15/392,806</u>	Attorney Docket No. <u>6924-40900</u>
Filing Date <u>December 28, 2016</u>	Client Docket No. PM14075-US
Title of Invention: <u>DATA STORAGE SYSTEM WITH ENFORC</u>	CED FENCING
Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMU WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSO GUTHRIE, II, LEAH SHALEV	· ·
<u>DECLARATION</u>	
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I hereby acknowledge that any willful false statement m	ade in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not more	than five (5) years, or both.
Docusigned by: 1 John Luther Guthrie, 111	
JOHN LUTHER GUTHRIE, II	
John Lottien Gottime, ii	
July 7, 2017	
Date	

U.S. Patent Appln. No. 15/392,806 Attorney Docket No. 6924-40900 Filing Date December 28, 2016 Client Docket No. PM14075-US Title of Invention: DATA STORAGE SYSTEM WITH ENFORCED FENCING Inventors: NORBERT P. KUSTERS, NACHIAPPAN ARUMUGAM, CHRISTOPHER NATHAN WATSON, MARC JOHN BROOKER, DAVID R. RICHARDSON, DANNY WEI, JOHN LUTHER **GUTHRIE, II, LEAH SHALEV** DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or Direct States Patent Application number 15/392,806 filed on December 28, 2016; 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, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. LEAH SHALEV

Page 12 of 12

RECORDED: 07/28/2017