

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4058653

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES CHRISTOPHER CURLANDER	06/12/2014
JULES COOK GRAYBILL	06/12/2014
UDIT MADAN	06/12/2014
MARSHALL FRIEND TAPPEN	06/12/2014
MICHAEL ELLSWORTH BUNDY	06/19/2014
DAVID DANIEL GLICK	09/10/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMAZON TECHNOLOGIES, INC.
<b>Street Address:</b>	PO BOX 8102
<b>City:</b>	RENO
<b>State/Country:</b>	NEVADA
<b>Postal Code:</b>	89507
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15269757
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	206 430 5110
<b>Email:</b>	tracy@athorus.com
<b>Correspondent Name:</b>	LARRY HARRIS
<b>Address Line 1:</b>	P.O. BOX 579
<b>Address Line 4:</b>	MOUNT VERNON, WASHINGTON 98273
<b>ATTORNEY DOCKET NUMBER:</b>	110.0370-US-CON1
<b>NAME OF SUBMITTER:</b>	RICHARD TWILLEY
<b>SIGNATURE:</b>	/Richard Twilley/
<b>DATE SIGNED:</b>	09/19/2016
<b>Total Attachments: 10</b>	

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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 14291187  
Filing Date: May 30, 2014

Attorney Docket No. 7805-0110  
Client Docket No. P9982-US

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**JAMES CHRISTOPHER CURLANDER**

410 Terry Avenue North  
Seattle, WA 98109-5210

**JULES COOK GRAYBILL**

410 Terry Avenue North  
Seattle, WA 98109-5210

**UDIT MADAN**

410 Terry Avenue North  
Seattle, WA 98109-5210

**MARSHALL FRIEND TAPPEN**

410 Terry Avenue North  
Seattle, WA 98109-5210

**MICHAEL ELLSWORTH BUNDY**

410 Terry Avenue North  
Seattle, WA 98109-5210

**DAVID DANIEL GLICK**

410 Terry Avenue North  
Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc.  
PO Box 8102  
Reno, NV 89507

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"ESTIMATING AVAILABLE VOLUMES USING IMAGING DATA" (Invention) for which a non-  
provisional application for United States Letters Patent

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

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- ☒ was filed on May 30, 2014 and accorded U.S. application no. 14291187; or  
☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of McCormick, Paulding & Huber, LLP, 185 Asylum Street, CityPlace II, Hartford CT 06103, associated with Customer No. 35301, to insert in the header above and here in parentheses (U.S. application no. 14291187, filed May 30, 2014) 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

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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 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 said 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 the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the

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Invention in all countries. These provisions are binding upon our heirs, legal representatives,  
administrators, and assigns.

**CORRESPONDENCE ADDRESS**

I hereby direct all correspondence and telephone calls in connection with this application be  
addressed to the number associated with the customer number listed below, which is:

**Customer No.**

**35301**

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☒ United States application number 14291187 filed on May 30, 2014; 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.

Legal name of inventor: **JAMES CHRISTOPHER CURLANDER**

6-12-2014  
Date

[Signature]  
Inventor Signature

**WITNESSED BY:**

June 12, 14  
Date

[Signature]  
Witness (Signature)

Lisa Brown  
Witness (Printed Name)

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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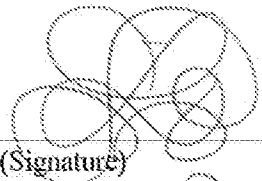
Legal name of inventor: **JULES COOK GRAYBILL**

June 13, 2014  
Date

  
Inventor Signature

**WITNESSED BY:**

June 12, 14  
Date

  
Witness (Signature)  
Lisa Dierkes  
Witness (Printed Name)



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Legal name of inventor: **UDIT MADAN**

06/12/2014  
Date

U. Madan  
Inventor Signature

**WITNESSED BY:**

June 12, 14  
Date

[Signature]  
Witness (Signature)  
Lisa Dvornes  
Witness (Printed Name)

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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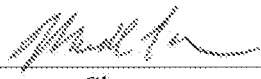
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Legal name of inventor: **MARSHALL FRIEND TAPPEN**

June 12, 2014  
Date

  
Inventor Signature

**WITNESSED BY:**

June 12, 2014  
Date

  
Witness (Signature)

Lisa Dugues  
Witness (Printed Name)

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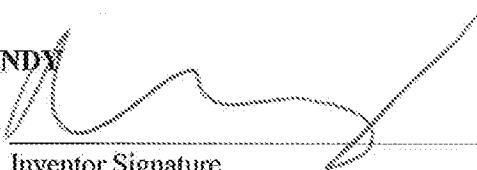
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Legal name of inventor: **MICHAEL ELLSWORTH BUNDY**

6/19/14  
Date

  
Inventor Signature

**WITNESSED BY:**

June 19, 14  
Date

  
Witness (Signature)

Visa Dunes  
Witness (Printed Name)

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

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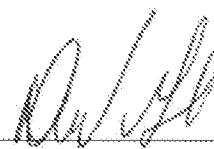
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **DAVID DANIEL GLICK**

Date

9/10/14

Inventor Signature

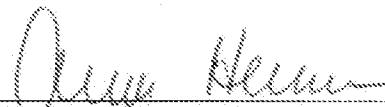


**WITNESSED BY:**

Date

9/10/14

Witness (Signature)



Witness (Printed Name)

Anna Henriksen