

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7122498

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
TIMOTHY JONES	08/28/2020
ANDREW BORTHWICK	08/28/2020
SERGEI DOBROSHINSKY	08/28/2020
SHEHZAD QURESHI	08/30/2020
STEPHEN MICHAEL ASH	08/28/2020
PEDRITO URIAH MAYNARD-ZHANG	08/28/2020
CHETHAN KOMMARANAHALLI RUDRAMUNI	12/29/2021
ABHISHEK SHARMA	09/03/2020
JULIANA SAUSSY	08/28/2020
ADAM LAWRENCE JOSEPH HEINERMANN	09/03/2020
ALAYKUMAR NAVINCHANDRA DESAI	12/13/2021
MEHUL A. SHAH	01/05/2022
MEHUL Y. SHAH	08/30/2020
ANURAG WINDLASS GUPTA	12/08/2021

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16199115

**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:** abowen@intprop.com

**Correspondent Name:** ROBERT C. KOWERT  
**Address Line 1:** 1120 S. CAPITAL OF TEXAS HWY  
**Address Line 4:** AUSTIN, TEXAS 78767-0398

<b>ATTORNEY DOCKET NUMBER:</b>	6924-83800
<b>NAME OF SUBMITTER:</b>	ROBERT C. KOWERT
<b>SIGNATURE:</b>	/Robert C. Kowert/
<b>DATE SIGNED:</b>	01/14/2022

**Total Attachments: 22**

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

U.S. Patent Appln. No. 16/199,115

Attorney Docket No. P62176-US01

Filing Date November 23, 2018

Client Docket No. 6924-83800

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**Timothy Jones**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Abhishek Sharma**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Andrew Borthwick**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Juliana Saussy**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Sergei Dobroshinsky**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Adam Lawrence Joseph Heineremann**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Shehzad Qureshi**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Alaykumar Navinchandra Desai**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Stephen Michael Ash**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Mehual A. Shah**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Pedrito Uriah Maynard-Zhang**

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**Mehul Y. Shah**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Chethan Kommaranahalli Rudramuni**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Anurag Windlass Gupta**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Prajakta Datta Damle**

410 Terry Avenue North  
Seattle, WA 98109-5210

Assignee:

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

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U.S. Patent Appln. No. 16/199,115

Attorney Docket No. P62176-US01

Filing Date November 23, 2018

Client Docket No. 6924-83800

Title of Invention: USING SPECIFIED PERFORMANCE ATTRIBUTES TO CONFIGURE MACHINE LEARNING PIPELINE STAGES FOR AN ETL

Inventors: **Timothy Jones , Andrew Borthwick , Sergei Dobroshinsky, Shehzad Qureshi , Stephen Michael Ash , Pedrito Uriah Maynard-Zhang , Chethan Kommaranahalli Rudramuni , Abhishek Sharma , Juliana Saussy , Adam Lawrence Joseph Heineremann, Alaykumar Navinchandra Desai, Mehual A. Shah, Mehul Y. Shah, Anurag Windlass Gupta, Prajakta Datta Damle**

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "USING SPECIFIED PERFORMANCE ATTRIBUTES TO CONFIGURE MACHINE LEARNING PIPELINE STAGES FOR AN ETL" (Invention) for which a non-provisional application for United States Letters Patent (Application):

- was filed on November 23, 2018 and accorded U.S. Application No. 16/199,115; 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 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. 16/199,115, filed November 23, 2018) 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

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U.S. Patent Appln. No. 16/199,115

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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 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

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

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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 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.

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

U.S. Patent Appln. No. 16/199,115

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**DECLARATION**

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This declaration is directed to:


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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.

DocuSigned by:  
  
 4387AD51C7BC400...

**Timothy Jones**

August 28, 2020

\_\_\_\_\_  
Date

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

U.S. Patent Appln. No. 16/199,115

Attorney Docket No. P62176-US01

Filing Date November 23, 2018

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DocuSigned by:  
  
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**Andrew Borthwick**

August 28, 2020

\_\_\_\_\_  
Date



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U.S. Patent Appln. No. 16/199,115

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DocuSigned by:  
  
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**Sergei Dobroshinsky**

August 28, 2020

\_\_\_\_\_  
Date

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U.S. Patent Appln. No. 16/199,115

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**Shehzad Qureshi**

August 30, 2020

\_\_\_\_\_  
Date

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U.S. Patent Appln. No. 16/199,115

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DocuSigned by:  
  
 /Stephen Michael Ash/  
 C6C519DBAC9F453...

**Stephen Michael Ash**

August 28, 2020

\_\_\_\_\_  
Date

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

U.S. Patent Appln. No. 16/199,115

Attorney Docket No. P62176-US01

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DocuSigned by:  
  
 31A9B3F5641C44E...

**Pedrito Uriah Maynard-Zhang**

August 28, 2020

\_\_\_\_\_  
Date

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**Chethan Kommaranahalli Rudramuni**

12/29/2021  
Date

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DocuSigned by:  
  
 7F455CCB397B4D0...

**Abhishek Sharma**

September 3, 2020

\_\_\_\_\_  
Date

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DocuSigned by:  
  
 7C9E6226E88F487...

**Juliana Saussy**

August 28, 2020

\_\_\_\_\_  
Date

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DocuSigned by:  
  
 141040FCACB8445...

**Adam Lawrence Joseph Heineremann**

September 3, 2020

\_\_\_\_\_  
Date



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

U.S. Patent Appln. No. 16/199,115

Attorney Docket No. P62176-US01

Filing Date November 23, 2018

Client Docket No. 6924-83800

Title of Invention: USING SPECIFIED PERFORMANCE ATTRIBUTES TO CONFIGURE MACHINE LEARNING PIPELINE STAGES FOR AN ETL

Inventors: **Timothy Jones , Andrew Borthwick , Sergei Dobroshinsky, Shehzad Qureshi , Stephen Michael Ash , Pedrito Uriah Maynard-Zhang , Chethan Kommaranahalli Rudramuni , Abhishek Sharma , Juliana Saussy , Adam Lawrence Joseph Heineremann, Alaykumar Navinchandra Desai, Mehual A. Shah, Mehul Y. Shah, Anurag Windlass Gupta, Prajakta Datta Damle**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application; or
- United States Patent Application number 16/199,115 filed on November 23, 2018; 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.



\_\_\_\_\_  
Alaykumar Navinchandra Desai

December 13, 2021

\_\_\_\_\_  
Date

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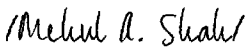
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DocuSigned by:  
  
 4F8AD2FB8FA74F0...

Mehul A. Shah

January 5, 2022

Date

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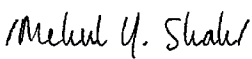
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DocuSigned by:  
  
 7636B0C896214F9...

Mehul Y. Shah

August 30, 2020

Date

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Filing Date November 23, 2018

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 \_\_\_\_\_  
 Anurag Windlass Gupta

12/8/21  
 \_\_\_\_\_  
 Date

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\_\_\_\_\_  
Prajakta Datta Damle

\_\_\_\_\_  
Date

## SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

<b>Title of Invention</b>	USING SPECIFIED PERFORMANCE ATTRIBUTES TO CONFIGURE MACHINE LEARNING PIPELINE STAGES FOR AN ETL JOB		
This statement is directed to:			
<input type="checkbox"/> The attached application, OR <input checked="" type="checkbox"/> United States application or PCT international application number <u>16/199,115</u> filed on <u>November 23, 2018</u>			
<b>LEGAL NAME of inventor to whom this substitute statement applies:</b>			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Prajakta Datta Damle			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
San Jose	CA	US	
Mailing Address (except for a deceased or legally incapacitated inventor):			
4966 Rio Verde Drive			
City	State	Zip	Country
San Jose	CA	95118	US
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only), <input checked="" type="checkbox"/> Assignee, <input type="checkbox"/> Person to whom the inventor is under an obligation to assign, <input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or <input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9198 and ext. 2000.*

**PATENT  
REEL: 058737 FRAME: 0856**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT**

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,
- Inventor is under legal incapacity,
- Inventor cannot be found or reached after diligent effort, or
- Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

Name: **Scott Hayden** Date (Optional):

DocuSigned by:  
Signature: *Scott Hayden*

**APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

If the applicant is a juristic entity, list the applicant name and the title of the signer:

Applicant Name: **Amazon Technologies, Inc.**Title of Person Executing This Substitute Statement: **Vice President & AGC**

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

**Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):**

City **Woodinville** State **WA** Country **US**

**Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)**

410 Terry Avenue North

City **Seattle** State **WA** Zip **98109-5210** Country **US**

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.

## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**PATENT**

**RECORDED: 01/14/2022**

**REEL: 058737 FRAME: 0858**