PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5484744

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| DEBORA A. LOWRY | 05/01/2017 |
| JONATHAN MENDEZ CHACON | 04/25/2017 |
| BLANCA R. NAVARRO | 04/28/2017 |
| JOSE D. RAMOS CHAVES | 05/02/2017 |

RECEIVING PARTY DATA

| Name: | INTERNATIONAL BUSINESS MACHINES CORPORATION | |
|-----------------|---|--|
| Street Address: | NEW ORCHARD ROAD | |
| City: | ARMONK | |
| State/Country: | NEW YORK | |
| Postal Code: | 10504 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16390064 |

CORRESPONDENCE DATA

Fax Number: (845)892-6363

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: 607-429-5281

Email: fdciplaw@us.ibm.com

Correspondent Name: IBM CORP - FISHKILL DRAFTING CENTER

Address Line 1: 1701 NORTH STREET

Address Line 2: B/40-3

Address Line 4: ENDICOTT, NEW YORK 13760

| ATTORNEY DOCKET NUMBER: | CA920170013US03 | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | ANNA R. MADDALENA | |
| SIGNATURE: | /Anna R. Maddalena/ | |
| DATE SIGNED: | 04/22/2019 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |
| | | |

Total Attachments: 8

PATENT REEL: 048951 FRAME: 0001

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| source=CA920170013US1_AssignmentDeclaration_05-03-2017#page8.tif | |

PATENT REEL: 048951 FRAME: 0002

TRAN DOCKET NUMBER: CA920170013USI

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

Take of Invention: FILESYSTEM SHARE AUTO-DETECT

| As a Sedan sounced and undersigned inventor, Vhoreby declare that |
|---|
| This declaration is discrete to the attached application, or (if believing him is checked): |
| [] United States application or PCT international application mandon |
| The above-identified application was made or authorized to be made by one. |
| Thelieve that I am the original inventor or an original joint inventor of a claimed invention in the application. |
| I have reviewed and understand the austicuts of the application, including the claims |
| Lain switer of the duty to disclose to the United States Pasent 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 therein referred to as the "foreation") disclosed in the above-identified putent application and further identified by the IBM Disclose provided above in the leader of this discussion;

Whereas, International Business Machines Corporation (terrain inferred to as the "ASSIGBLE"), a corporation of New York basing a place of business at Armonk. New York, desires to acquire, and I desire to great 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 recept and sufficiency thereof being kereby acknowledged, I hereby will or have sold, assign or have acsigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and unique, my entire worldwide right, little, and interest in and to the Invention, the above identified United States potent application, and any and all other patent applications and patents for the Invention which may be applied for or protect therefore in the United States and in all foreign countries and jurisdictions, including all distances, continuations, minutes, recreaminations, renewals, extensions, counterparts, substitutes, sud extensions thorsel, and all rights of princity assisting from the filling of such applications and granting of such pateries. In addition, I beneby sintherize and request the Director of the United States Patest and Trademark Office to issue any Limited States Patent, and fireign patent authorities to issue any limites. patent, granted for the Invention, to the ASSKINEE, no successors, logal representatives, and energies, my entice worldwide right, title, and interest in and to the same to be baid and enjoyed by the ASSKINFE, its successors, legal equiverentatives, and assigns to the full and of the same for which any and all such pagents may be grammal, 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 decuments and instruments and perform all lawful acts reasonably existed to exceeding this Assignment or perfecting title to the Invention and all related patrics and applications, in the ASSVINEE, its successive, legal representatives, and assigns, whosever requested by the ASSU/WEE, its successions, liquid representatives, or assigns

I seknowledge my price and ongoing obligations to sell, easign, and transfer my rights under this

Page Fof X

PATENT REEL: 048951 FRAME: 0003

HIM DOCKET SEMBER: CA9200700131331

Assignment to the ASSE/SEE and an unaware of any reason why I may not have the full and uncommitteed right to sell, assign, and transfer my rights hereby wild, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also barely grant the ASSE/CNEE, its assessment, logal representatives, and assigns, the right to insent in this Assignment any further identification (including, but not finited to, petual Application Number) which may be excessery or destrable for excentation 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 accordated in New York.

I haveby solvrowindige that any willful false statement made in this declaration is punishable under 190.000 by fixe or improvement of not more than five (5) years, or both.

| (1) | Legal Same at Inventor. Debona Loury | |
|-----|---|-------------|
| | summer Reservation August | Date 5/1/17 |
| (2) | Legal Many of Javenius Javanhan Mendes Charm | |
| | Signature: | D86: |
| (3) | Legis Name of Superior Plancs & Nursing | |
| | Sypacore: | Date |
| (4) | Legid Name of Inventor: Jose 13: Ramos Fraves | |
| | Simetime | Diage |

Page 2 of 2

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: FILESYSTEM SHARE AUTO-DETECT

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 numberfiled 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 therefore in the United States and in all foreign countries and jurisdictions, including all divisions, |

any and all other patent applications and patents for the Invention which may be applied for or granted therefore 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 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, or assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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 hereby 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.

| (1) Legal Name of Inventor: Debora Lowry | |
|--|-------|
| Signature: | Date: |
| (2) Legal Name of Inventor: Jonathan Mendez Chacon | |
| Signature: Jonethan Mendee C. | |
| (3) Legal Name of Inventor: Blanca R. Navarro | |
| Signature: | Date: |
| (4) Legal Name of Inventor: Jose D. Ramos Chaves | |
| Eleman | Date. |

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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 therefore 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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| (1) | Legal Name of Inventor: Debora Lowry | |
|-----|---|------------------|
| | Signature | Date: |
| (2) | Legal Name of inventor: Jonathan Mendez Chacon | |
| | Signature: | |
| (3) | Legal Name of Inventor: Blanca R. Navarro | |
| | Signature: J. | Date: 04 28 2017 |
| (4) | Legal Name of Inventor: Jose D. Ramos Chaves | |
| | Commission | Sate |

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IBM DOCKET NUMBER: CA920170013US1

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| (1) Legal Name of Inventor: Debora Lowry | |
|--|------------------|
| Signature: | Date: |
| (2) Legal Name of Inventor: Jonathan Mendez Chacon | |
| Signature: | Date: |
| (3) Legal Name of Inventor: Blanca R. Navarro | |
| Signature: | Date: |
| (4) Legal Name of Inventor: Jose D. Ramos Chaves | |
| Signature: | Date: 09-02-2017 |

Page 2 of 2