504600816 10/19/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| ADAM GREENBAUM | 09/15/2017 |
| SHARREN BATES | 10/17/2017 |
| JASON LOVELACE | 09/14/2017 |
| ABED K. SHELBAYEH | 09/15/2017 |
| MARK MILMAN | 09/15/2017 |
| AMIT MAIMON | 09/18/2017 |
| CHINTAN PATEL | 09/14/2017 |
| MARTIN J. WILSON | 09/18/2017 |
| RICHARD B. NOAD | 09/25/2017 |

RECEIVING PARTY DATA

| Name: | ADP, LLC |
|-----------------|-----------------|
| Street Address: | 1 ADP BOULEVARD |
| City: | ROSELAND |
| State/Country: | NEW JERSEY |
| Postal Code: | 07068 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15787752 |

CORRESPONDENCE DATA

Fax Number: (972)385-8766

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: 972-385-8777

Email: ptonotifs@yeeiplaw.com

DUKE W. YEE YEE & ASSOCIATES, P.C. Correspondent Name:

Address Line 1: P.O. BOX 802333 Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER: ES2017042-1

NAME OF SUBMITTER: **VOLEL EMILE**

| SIGNATURE: | /Volel Emile/ | |
|---|--------------------------------------|--|
| DATE SIGNED: | 10/19/2017 | |
| Total Attachments: 6 | | |
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| source=ES2017042-1_ExecutedAssignmentDecalration_10-19-2017#page6.tif | | |

DOCKET NUMBER: ES2017042-1

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: Factor Binding Data Coordination Across Multiple Domains

| 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 |
| 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 consents 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 uside certain inventions, improvements, and discoveries (becein referred |

Whereas, ADP, LLC (berein referred to as the "ASSIGNEE"), a corporation of Delaware having a place of business at 1 ADP Boulevard, Roseland, New Jersey 07068, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and inserest in and to the lavention and in and to any and all

to as the "Investion") disclosed in the above-identified patent application and further identified by the

Docket Number provided above in the header of this document:

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 pasents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all provisionals, divisionals, continuations, continuations in part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereef, 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.

Page 1 of 2

I acknowledge my prior and engoing 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 unencombered 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 berewith. 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 Delaware, and any disputes will be resolved in a Delaware state coast or federal court sited in Delaware.

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.

| (i) Legal Name of Inventor: | Adam Greenbaum | | |
|-----------------------------|---------------------------------------|-----------|----------|
| Si gratare: | | Dsic:_ | 9/15/17 |
| (2) Legal Name of Invessor: | Sharren Bates | | |
| Signature: | · · · · · · · · · · · · · · · · · · · | _ Date:_ | |
| (3) Lagai Name of Inventor; | Jason Lovelace | | |
| 51,000,000 <u>Jos. S</u> 2 | <u> </u> | _ Date: | 91117 |
| (4) Legal Nume of Inventor. | Abed K. Shelbayeh | | |
| Signature: | 14 Selbajah | Date: | 9/15/17 |
| (5) Legal Name of Inventor: | Mark Milman | | |
| Si goateer: | <u> </u> | _ Date:_, | <u> </u> |

Page 2 of 2

| (6) Legal Name of Inventor: | Amit Maimon | |
|-----------------------------|------------------|---------------------------|
| Signature: | | Date: <u>4/12/20</u> /* |
| (7) Legal Name of Investor: | Chintan Patel | |
| Signature: <u>Chr</u> | Len Path | Date: 9/1-1/2017 |
| (8) Legal Name of Inventor: | Martin J. Wilson | |
| Signature: U.S. | | nue: <u>\$_18\/201</u> 7 |
| (9) Legal Name of Inventor: | Richard B. Noad | |
| Signature: | | <u>Date:9/25/17</u> |

DOCKET NUMBER: ES2017042-1

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: Factor Binding Data Coordination Across Multiple Domains

| 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 |
| 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 Docket Number provided above in the header of this document;

Whereas, ADP, LLC (herein referred to as the "ASSIGNEE"), a corporation of Delaware having a place of business at 1 ADP Boulevard, Roseland, New Jersey 07068, 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 provisionals, divisionals, continuations, continuations-in-part, 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.

Lack providing the prior and program of equipment of all alongs, and transfer my right and the Assaction of Assaction of any case of the Lack provided have the feet and unusual professor to the Assaction of any case of the Assaction of any basic provided and the account of the Lack provided and basic provided and will be a secure, and decreases or comment in coefficit because it due to the Assaction of the Assaction and the Assaction of the Ass

I hereby acknowledge shallony willful lasse statement made in this declaration is compliable under 18. U.S.C. 1891 by fine or improveniment of the more than five 150 years, or both.

| (1) Legal Name of Inventor | Adam Greenhaum | |
|-----------------------------|-------------------|-----------------------|
| Signature | | Disser |
| | Sharren Bates | Date <u>//2-17-17</u> |
| (1) Legal Name of Inventor: | Jason Lovelace | |
| Signature: | | Desc |
| (4) Legal Name of Investor. | Ahed K. Shelhayeh | |
| Signature | | Lighter |
| (5) Legal Name of Invensor | Mark Milman | |
| Signature: | | f%ste: |

Page 7 (4.7)

DOCKET NUMBER: ES2017042-1

| (6) Legal Name of Inventor: | Amit Maimon | | |
|-----------------------------|------------------|-------|---|
| Signature: | | Date: | _ |
| (7) Legal Name of Inventor: | Chintan Patel | | |
| Signature: | | Date: | _ |
| (8) Legal Name of Inventor: | Martin J. Wilson | | |
| Signature: | | Date: | |
| (9) Legal Name of Inventor: | Richard B. Noad | | |
| G: | | Deter | |

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RECORDED: 10/19/2017