

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5808888

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| JAY D. FARNER | 12/28/2017 |
| JASEN SAMS | 12/04/2017 |
| PETER RITCHIE | 12/04/2017 |
| JOE GUADAGNO | 12/04/2017 |
| RECEIVING PARTY DATA | |
| Name: | QUICKEN LOANS |
| Street Address: | 1050 WOODWARD AVENUE |
| City: | DETROIT |
| State/Country: | MICHIGAN |
| Postal Code: | 48226 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15709233 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
| Phone: | 404-815-6500 |
| Email: | evanstrom@kilpatricktownsend.com |
| Correspondent Name: | KILPATRICK TOWNSEND & STOCKTON LLP |
| Address Line 1: | 1100 PEACHTREE STREET |
| Address Line 2: | SUITE 2800 |
| Address Line 4: | ATLANTA, GEORGIA 30309 |
| ATTORNEY DOCKET NUMBER: | 098739-1061491 |
| NAME OF SUBMITTER: | EMILY VANSTROM |
| SIGNATURE: | /Emily Vanstrom/ |
| DATE SIGNED: | 11/07/2019 |
| Total Attachments: 4 | |
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COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: EXTRACTING DATA SETS FROM EXTERNAL DATA STORES

Application No. 15/709,233, filed on September 19, 2017

ASSIGNMENT

WHEREAS, I, Jay D. Farmer, residing at Bloomfield Hills, MI, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Quicken Loans, a corporation having a principle place of business at 1050 Woodward Avenue, Detroit, MI 48226 hereinafter referred to as "Quicken," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Quicken all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Quicken and Quicken' successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Quicken' expense, (a) cooperate with Quicken in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Quicken lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Quicken, or Quicken' successors and assigns. I waive any obligation of Quicken to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Quicken can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Quicken in writing of any foreign counterparts I would like the option to pursue or prosecute.

I hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 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 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 12/28/17



Jay D. Farmer

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: EXTRACTING DATA SETS FROM EXTERNAL DATA STORES

Application No. 15/709,233, filed on September 19, 2017

ASSIGNMENT

WHEREAS, I, Jasen Sams, residing at Allen Park, MI, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Quicken Loans, a corporation having a principle place of business at 1050 Woodward Avenue, Detroit, MI 48226 hereinafter referred to as "Quicken," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Quicken all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Quicken and Quicken' successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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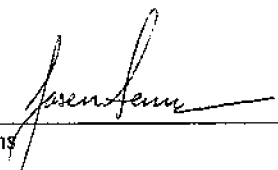
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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 12/4/2017



Jasen Sams

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **EXTRACTING DATA SETS FROM EXTERNAL DATA STORES**

Application No. **15/709,233**, filed on **September 19, 2017**

ASSIGNMENT

WHEREAS, I, Peter Ritchie, residing at Phoenix, AZ, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Quicken Loans, a corporation having a principle place of business at 1050 Woodward Avenue, Detroit, MI 48226 hereinafter referred to as "Quicken," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, I have assigned, and by these presents do assign to Quicken all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Quicken and Quicken' successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Quicken' expense, (a) cooperate with Quicken in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Quicken lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Quicken, or Quicken' successors and assigns. I waive any obligation of Quicken to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Quicken can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Quicken in writing of any foreign counterparts I would like the option to pursue or prosecute.

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Dated: 4-Dec-2017


Peter Ritchie

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: EXTRACTING DATA SETS FROM EXTERNAL DATA STORES

Application No. 15/709,233, filed on September 19, 2017

ASSIGNMENT

WHEREAS, I, Joe Guadagno, residing at Mesa, AZ, am an original inventor or an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Quicken Loans, a corporation having a principle place of business at 1050 Woodward Avenue, Detroit, MI 48226 hereinafter referred to as "Quicken," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 12/4/17



Joe Guadagno

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