

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5868218

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	WAL-MART STORES, INC.	06/19/2018
RECEIVING PARTY DATA		
Name:	WALMART APOLLO, LLC	
Street Address:	702 SW 8TH STREET	
City:	BENTONVILLE	
State/Country:	ARKANSAS	
Postal Code:	72716	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16601175
CORRESPONDENCE DATA		
Fax Number:	(602)364-7070	
<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>		
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ATTORNEY DOCKET NUMBER:	3800US04/1761284.1191	
NAME OF SUBMITTER:	JULIE A. ESLICK	
SIGNATURE:	/Julie A. Eslick/	
DATE SIGNED:	12/14/2019	
Total Attachments: 5		
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT ("Patent Assignment"), effective as of January 31, 2018, is made by and between Wal-Mart Stores, Inc., 702 Southwest 8th Street, Bentonville, Arkansas 72716, USA, ("Assignor"), and Walmart Apollo, LLC, 702 Southwest 8th Street, Bentonville, Arkansas 72716, USA, ("Assignee"), the assignee of certain assets of Assignor pursuant to the INTERCOMPANY AGREEMENT by and between Assignee and Assignor, dated as of January 31, 2018 (the "Patent Agreement").

WHEREAS, under the terms of the Patent Agreement, Assignor has conveyed, transferred and assigned and does hereby convey, transfer and assign to Assignee, certain intellectual property of Assignor as listed on Schedule 1, and has agreed to execute and deliver this Patent Assignment, for recording with governmental authorities;

NOW THEREFORE, the parties agree as follows:

Assignment. In consideration for the execution of the Patent Agreement and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has conveyed, transferred, and assigned and does hereby convey, transfer and assign to Assignee, and Assignee hereby accepts, all of Assignor's right, title and interest in and to the following (the "Assigned Patents and Applications"):

the patents and patent applications set forth in Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations and renewals thereof;

all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world.

Recordation and Further Actions. Assignor authorizes any other governmental officials to record and register this Patent Assignment upon request by Assignee. Assignor shall take such steps and actions following the date hereof, including the execution of any documents, files, registrations, or other similar items, to ensure that the Assigned Patents and Applications are properly assigned to Assignee, or any assignee or successor thereto.

Terms of the Patent Agreement. The terms of the Patent Agreement, including, but not limited to, the representations, warranties, covenants, agreements and indemnities relating to the Assigned Patents and Applications are incorporated herein by this reference. The parties hereto acknowledge and agree that the representations, warranties, covenants, agreements and indemnities contained in the Patent Agreement shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the Patent Agreement and the terms hereof, the terms of the Patent Agreement shall govern.

Counterparts. This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

Successors and Assigns. This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

[SIGNATURE PAGE FOLLOWS]

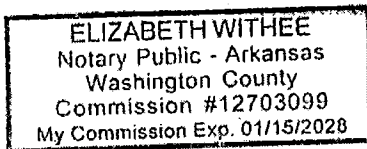
Wal-Mart Stores, Inc.
702 Southwest 8th Street
Bentonville, Arkansas 72716
USA

By: Mendon J. Allison

State of Arkansas)
) ss:
County of Benton)

In witness hereof, I hereunto set my hand and official seal.

Notary Public
My Commission Expires: 1/15/2028



SCHEDULE 1

Reference	Title	Serial #	Patent #
0376858	Search Intent Marketing	61/377,648	
0560849	Improved Web Caching Techniques	15/883,839	
2388344	System and Method for Using Past or External Information for Future Search Results	15/883,997	
0377095-US	Progressively Asking for Increasing Amounts of User and Network Data	13/986,606	
0555279	Locating and Organizing Digital Receipt Data for Use in In-Store Audits	13/601,687	8,635,112
0552793	Systems and Methods for a Search Engine Marketing Internal Auction System	15/420,380	
0552792	Systems and Methods for Optimizing Targeted Advertising Through Social Media Interactions	15/420,741	
0552783	Systems and methods for Updating a Webpage	15/420,796	
0552787	Systems and Methods for Utilizing a Convolutional Neural Network Architecture for Visual Product Recommendations	15/420,885	
0553266	Providing Recommendations Based on User Intent and User-Generated Post-Purchase Content	15/421,211	
0553154	Providing Recommendations Based on User-Generated Post-Purchase Content and Navigation Patterns	15/421,224	
0553262	Performing Customer Segmentation and Item Categorization	15/421,232	
0553153	Automatic Generation of Featured Filters	15/421,240	
2388322	Systems and Methods for Optimizing Content Variations	15/883,849	
2388212	Systems and Methods for Identifying Candidates for Item Substitution	15/883,902	
2387442	Database Protocols and Retrieval Techniques	15/883,979	
2387931	Intelligent Recommendation Engine	15/884,071	
0562819	Databases and File Management Systems and Methods for Performing a Live Update of a Graphical User Interface to Boost One or More Items	15/884,266	
2388320	System and Method for Optimized Navigation	62/623,464	
2388345	System and Method for Location-Based Fraud Prevention	62/623,470	
2388343	System and Method for Record Management	62/623,474	
0553153	Automatic Generation of Featured Filters	15/421,240	
2390699	System and Method for Prioritized Index Searching	15/940,747	
2390702	Inventory Tracking	15/919,142	
2392757	Display Screen or Portion Thereof With Graphical User Interface	29/649,646	
2393311	Systems, Methods, and Non-Transitory Computer-Readable Storage Media for Displaying Software Components	15/992,132	