505037545 08/06/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CRISTY CRANE BROOKS	11/14/2017
BENJAMIN D ENSSLE	08/07/2017
GREG A BRYAN	08/07/2017
DAVID BLAIR BRIGHTWELL	08/07/2017

RECEIVING PARTY DATA

Name:	WAL-MART STORES, INC.	
Street Address:	702 SOUTHWEST 8TH STREET	
City:	BENTONVILLE	
State/Country:	ARKANSAS	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16052982

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DATE SIGNED:	08/06/2018

Total Attachments: 5

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> PATENT REEL: 047289 FRAME: 0885

ASSIGNMENT

I, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign, which confirms any previous assignment by me or by operation of law, to Wal-Mart Stores, Inc., a Delaware corporation, having its principal place of business at 702 Southwest 8th Street, Bentonville, AR 72716, United States of America ("Assignee"), its successors, assigns, and legal representatives, the entire right, title, and interest, in and to all subject matter and improvements invented, made, or conceived by me and described in the application for patent entitled

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relating to the patent family of Walmart Reference No. 2177US01; having Patent Application Number, 62/540,822 filed August 3, 2017, and in and to all patent and all patent convention and treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any utility model, continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any patent issuing therefrom, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements.

I agree that on request and without further consideration, I will communicate to the Assignee or its representatives or nominees any facts known to me respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers, and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

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RECORDED: 08/06/2018