PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7722950

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WAL-MART STORES, INC.	01/31/2018

RECEIVING PARTY DATA

Name:	WALMART APOLLO, LLC
Street Address:	702 SOUTHWEST 8TH STREET
City:	BENTONVILLE
State/Country:	ARKANSAS
Postal Code:	72716

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17550893

CORRESPONDENCE DATA

Fax Number:

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.

Email: jtran@fitcheven.com, wmt.documents@fitcheven.com
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Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	8842-154000-US_201US04
NAME OF SUBMITTER:	/SCOTT J MENGHINI/
SIGNATURE:	/scott j menghini/
DATE SIGNED:	01/04/2023

Total Attachments: 34
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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.

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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]

IN WITNESS WHEREOF, Assignor has duly executed and delivered this Patent Assignment as of the date first above written.

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

By: Gordon L Allison

Name: Gordon Allison
Title: Vice President and General Counsel, Corporate

State of Arkansas)
) ss:
County of Benton)

On this, the 21st day of March, 2018, before me, a notary public, the undersigned officer, personally appeared Gordon Allison, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

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

Notary Public
My Commission Expires: 1/15/2023

ELIZABETH WITHEE
Notary Public - Arkansas
Washington County
Commission #12703098
My Commission Exp. 01/15/2023

IN WITNESS WHEREOF, Assignee has duly executed and delivered this Patent Assignment as of the date first above written.

Walmart Apollo, LLC
702 Southwest 8th Street
Bentonville, Arkansas 72716
USA

By: _____

Name: Craig Shurley
Title: President

State of Arkansas)
) ss:
County of Benton)

On this, the 29th day of March, 2018, before me, a notary public, the undersigned officer, personally appeared Craig Shurley, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

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

_____
Notary Public
My Commission Expires: 1/15/2025

ELIZABETH WITHEE
Notary Public - Arkansas
Washington County
Commission #12703099
My Commission Exp. 01/15/2025

SCHEDULE 1

Assigned Patents and Applications

Ref. No.	Title	Application No.	Patent No.
003US01	METHODS AND APPARATUS FOR IMPROVED REGISTER CHECKOUT	09/745738	6401218
004US01	FREEZER ARRAY	29/143039	D471214
007US01	METHODS AND APPARATUS FOR PROVIDING A BANK OF FREEZERS WITH ENHANCED VIEWING CHARACTERISTICS	60/296343	
005US01	METHODS AND APPARATUS FOR DATABASE SPACE CALCULATION AND ERROR DETECTION	09/997133	7028041
006US01	SYSTEMS AND METHODS FOR PRE-SCANNING MERCHANDISE IN CUSTOMER'S SHOPPING CART WHILE CUSTOMER IS WAITING IN CHECKOUT LINE	10/097952	6619546
007US02	METHODS AND APPARATUS FOR PROVIDING A BANK OF FREEZERS WITH ENHANCED VIEWING CHARACTERISTICS	10/164458	6715308
003US02	METHODS AND APPARATUS FOR IMPROVED REGISTER CHECKOUT	10/282381	6793043
006US02	SYSTEMS AND METHODS FOR PRE-SCANNING MERCHANDISE IN CUSTOMER'S SHOPPING CART WHILE CUSTOMER IS WAITING IN CHECKOUT LINE	10/841421	7575161
009US01	PLASTIC BOXES AND METHODS FOR MAKING SAME	10/744453	7222745
010US01	PLASTIC BOX	29/197199	D503042
012US01	CONVERTIBLE PANTS AND METHODS FOR MAKING SAME	10/845871	6978484
013US01	DISPLAY UNIT FOR TRAILER HITCHES AND TRAILER HITCH ACCESSORIES	10/869156	7137516
014US01	CART FOR STOCKING INVENTORY AND METHODS FOR MAKING SAME	10/874653	7213816
003US03	METHODS AND APPARATUS FOR IMPROVED REGISTER CHECKOUT	10/937569	
017US01	RETAIL COST MODEL ENCRYPTION	60/651454	
016US01	SYSTEM AND METHODS FOR FACILITATING A LINEAR GRID DATABASE WITH DATA ORGANIZATION BY DIMENSION	11/100073	7672930

Ref. No.	Title	Application No.	Patent No.
017US02	SYSTEMS AND METHODS FOR ENCRYPTING DATA UTILIZING ONE-TIME PAD KEY	11/190612	
018US01	PROCESS FOR CONTROL OF RESTRICTED PRODUCT SALES IN ACCORDANCE WITH LEGAL RESTRICTIONS AND EXPEDITED CREATION OF A CUSTOMER LOG	11/164631	
019US01	METHOD FOR RECEIVING CREDIT CARD APPLICATIONS AT A FUEL DISPENSER	11/306304	7364073
021US01	ADJUSTABLE LIGHTING FOR DISPLAYING PRODUCTS	11/437075	8248214
023US01	METHOD FOR ON SITE CUSTOM BUILD OF YOUR OWN COMPUTER	11/530819	
014US02	CART FOR STOCKING INVENTORY AND METHODS FOR MAKING SAME	11/640947	7320472
019US02	METHOD FOR RECEIVING CREDIT CARD APPLICATIONS AT A FUEL DISPENSER	12/111764	8096469
037US01	DATABASE AUTO RESTART FACILITY (ARF) SYSTEMS AND METHODS	61/090534	
038US01	SYSTEM AND METHOD OF IDENTIFYING THE EXISTENCE OF MEMORY STORED IN AN RFID TAG DURING AN INITIAL INVENTORY OF THE TAG	12/348889	
047US01	LIVE DEVICE SEIZURE KIT	29/340166	D627165
046US01	LIVE DEVICE SEIZURE KIT	61/225457	
037US02	AUTOMATICALLY RESTARTING A FIRST CHILD PROCESS BASED ON PRESENCE OF SQL CODE IN A LIST	13/534784	9021485
049US01	SYSTEM AND METHOD FOR COMMUNICATING INFORMATION TO A CUSTOMER AT A POINT-OF-SALE VIA A WIRELESS LINK WITHIN A RETAIL STORE	12/613930	
050US01	WILD BIRD CATCH AND RELEASE DEVICE AND METHOD OF CATCHING AND RELEASING WILD BIRDS	61/264398	
051US01	INTERACTIVE CUSTOMER SHOPPING CART	61/287065	
016US02	SYSTEM AND METHODS FOR FACILITATING A LINEAR GRID DATABASE WITH DATA ORGANIZATION BY DIMENSION	12/643545	8311998
052US01	SYSTEM AND METHOD FOR TRANSACTION PAYMENTS USING A MOBILE DEVICE	61/312837	
046US02	LIVE DEVICE SEIZURE KIT	12/835977	

Ref. No.	Title	Application No.	Patent No.
057US01	METHOD FOR SELF-CHECKOUT WITH A MOBILE DEVICE	61/392908	
057US02	METHOD FOR SELF-CHECKOUT WITH A MOBILE DEVICE	12/947545	
050US02	WILD BIRD CATCH AND RELEASE DEVICE AND METHOD OF CATCHING AND RELEASING WILD BIRDS	13/934215	8733291
051US02	INTERACTIVE CUSTOMER SHOPPING CART	12/968262	8474711
052US02	SYSTEM AND METHOD FOR TRANSACTION PAYMENTS USING A MOBILE DEVICE	13/046525	9741028
075US01	SYSTEMS, DEVICES AND METHODS FOR INTEGRATED DISPLAY AND MANAGEMENT OF TRANSPORTATION RESOURCES	13/287970	9460410
076US01	SYSTEMS AND METHODS FOR INTERACTIVE SHOPPING USING A MOBILE COMPUTING DEVICE	13/523932	
082US01	SOFTWARE APPLICATION ABSTRACTION SYSTEM AND METHOD	13/524043	
074US01	SYSTEMS AND METHODS FOR SHOPPING IN AN ELECTRONIC COMMERCE ENVIRONMENT WITH SOCIAL NETWORKING CONNECTIONS	13/554733	
103US01	COMESTIBLE PRODUCT CARRIER AND/OR HANDLE AND ASSOCIATED METHODS	61/602849	
512US01	ASSESSING CONSUMER PURCHASE BEHAVIOR IN MAKING A FINANCIAL CONTRACT AUTHORIZATION DECISION	13/610754	8606696
065US01	UNIVERSAL SUBSTANTIATION SYSTEM	13/632491	
103US02	COMESTIBLE PRODUCT CARRIER AND/OR HANDLE AND ASSOCIATED METHODS	13/667702	9380914
140US01	DYNAMIC TASK MANAGEMENT	13/677079	
092US01	SECURITY BYPASS ENVIRONMENT FOR CIRCUMVENTING A SECURITY APPLICATION IN A COMPUTING ENVIRONMENT	13/683864	8914837
138US01	SYSTEMS AND METHODS FOR RECOMMENDING PRODUCTS BASED ON A SHOPPING LIST AND A SHOPPING BUDGET	13/714878	
159US01	SYSTEM AND METHOD FOR MANAGING PREPAID CARDS	13/744775	
175US01	SYSTEM AND METHOD FOR MANAGING PREPAID CARDS	13/744768	
171US01	SYSTEM AND METHOD FOR ASSIGNING EMPLOYEES TO CASH REGISTERS	13/748991	

Ref. No.	Title	Application No.	Patent No.
174US01	RETAIL GIFT CARD SYSTEM WITH INTEGRATED ACCOUNT AND SALES RECEIPT TRACKING	13/751584	
146US01	METHODS AND SYSTEMS FOR AUTOMATED COUPON PROCESSING	13/755844	
142US01	SYSTEMS AND METHODS FOR NAVIGATING AND RESERVING BUILDING SPACES	13/771919	
136US01	SUPPLIER ANALYSIS AND VERIFICATION SYSTEM AND METHOD	13/772926	
188US01	E-COMMERCE SYSTEM WITH PERSONAL PRICE POINTS	13/777014	
143US01	ENTERPRISE RESOURCE SEARCH AND RESERVATION SYSTEM	13/793633	9798983
137US01	SYSTEM AND METHOD FOR STREAMING EVENTS IN A TRANSACTION-BASED SYSTEM	61/779330	
164US01	ELECTRONIC PRODUCT INFORMATION RETRIEVAL ENVIRONMENT	13/827628	
168US01	SYSTEM AND METHOD FOR ORDER PROCESSING USING CUSTOMER LOCATION INFORMATION	13/804905	9015069
219US01	WIDE ANGLE PLANAR ANTENNA ASSEMBLY	61/790322	
124US01	SYSTEMS AND METHODS FOR SAVING A REMAINDER OF CASH TRANSACTIONS	61/788340	
145US01	ALARM PROCESSING SYSTEMS AND METHODS	61/798234	
170US01	OVERNIGHT PRODUCTIVITY DASHBOARD	61/798013	
236US01	APPARATUS AND METHOD ENABLEMENT OF CONSUMER INFORMATION CONTROL SYSTEMS ON A MAINFRAME	61/799136	
186US01	MERCHANDISE EVENT MONITORING VIA WIRELESS TRACKING	61/788846	
185US01	RFID READER LOCATION SELF-DISCOVERY	61/788696	
181US01	ORPHANED PRODUCT STRAY ANALYSIS USING RFID	61/790809	
181US01	AUTOMATIC SELF-LEARNING RFID READER CONFIGURATOR	61/789699	
199US01	DISCREPANCY ANALYSIS OF RFID READS TO DETERMINE LOCATIONS	61/789710	
513US01	REAL TIME ORDER AND ACTIVATION PROCESSING SYSTEM	13/836598	
301US01	FLEXIBLE STORE FULFILLMENT	61/798424	
186US02	MERCHANDISE EVENT MONITORING VIA WIRELESS TRACKING	13/862354	9443218
185US02	RFID READER LOCATION SELF-DISCOVERY	13/863380	9092679

Ref. No.	Title	Application No.	Patent No.
182US02	ORPHANED PRODUCT STRAY ANALYSIS USING RFID	13/861958	9098824
181US02	AUTOMATIC SELF-LEARNING RFID READER CONFIGURATOR	13/862056	9460326
199US02	DISCREPANCY ANALYSIS OF RFID READS TO DETERMINE LOCATIONS	13/862110	9165277
139US01	SYSTEM AND METHOD FOR FACILITATING A PURCHASE OF SELECTED PRODUCTS OR SERVICES	13/862019	
137US02	SYSTEM AND METHOD FOR STREAMING EVENTS IN A TRANSACTION-BASED SYSTEM	13/886781	9904718
281US01	SYSTEMS AND METHODS FOR RECOMMENDING PRODUCTS	61/827283	
281US02	SYSTEMS AND METHODS FOR RECOMMENDING PRODUCTS	13/903761	
219US02	WIDE ANGLE PLANAR ANTENNA ASSEMBLY	13/904962	9515389
202US01	METHOD FOR GENERATING A DISCRETE FORECASTED STAFF REPORT	13/915801	
170US02	OVERNIGHT PRODUCTIVITY DASHBOARD	13/918443	
038US02	SYSTEM AND METHOD OF IDENTIFYING THE EXISTENCE OF MEMORY STORED IN AN RFID TAG DURING AN INITIAL INVENTORY OF THE TAG	13/920888	
243US01	CONSOLIDATED RETAILER-OPERATED ELECTRONIC PAYMENT SYSTEM	13/953849	
218US01	DYNAMIC AWARDS AND RESTRICTIVE TENDER SYSTEM AND METHOD	13/957964	
201US02	FLEXIBLE STORE FULFILLMENT	13/969989	9779375
145US02	ALARM PROCESSING SYSTEMS AND METHODS	14/020231	9092958
305US01	DATA ANALYTICS ANIMATION SYSTEM AND METHOD	14/061437	
282US01	SYSTEM AND METHOD FOR PROVIDING SALE ITEMS	14/063563	
299US01	SYSTEM AND METHOD FOR IDENTIFYING INELASTIC PRODUCTS	14/083090	
249US01	SYSTEM AND METHOD FOR DISPENSING AND PURCHASING FUEL	14/066448	9715682
238US01	SYSTEM AND METHOD FOR INDICATING QUEUE CHARACTERISTICS OF ELECTRONIC TERMINALS	14/072097	
273US01	SYSTEMS AND METHODS OF REMOTELY MONITORING UTILIZATION OF GEOGRAPHICALLY DISTRIBUTED POINT OF SALE TERMINALS	14/071914	
213US01	SYSTEM AND METHOD FOR LOADING PRODUCTS INTO A VEHICLE	61/910881	

Ref. No.	Title	Application No.	Patent No.
307US02	SYSTEMS AND METHODS FOR SALES EXECUTION ENVIRONMENT	61/919042	
308US01	SYSTEMS AND METHODS FOR SALES EXECUTION ENVIRONMENT	61/919038	
309US01	SYSTEMS AND METHODS FOR SALES EXECUTION ENVIRONMENT	61/919034	
361US01	SYSTEMS AND METHODS FOR SALES EXECUTION ENVIRONMENT	61/919030	
323US01	SYSTEM AND METHOD FOR INCREASING COUNTING ACCURACY	14/136340	
264US02	MODULAR WALL ASSEMBLY FOR A COSMETIC FIXTURE SYSTEM	61/920088	
264US01	MODULAR SHELF ASSEMBLY FOR A COSMETIC FIXTURE SYSTEM	61/920426	
332US01	DATA PERSPECTIVE ANALYSIS SYSTEM AND METHOD	61/924959	
302US01	SYSTEM AND METHOD FOR DISPENSING AND PURCHASING MEDICAL PRESCRIPTIONS	61/924815	
268US01	AUTOMATIC TRANSFER SWITCH MAINTENANCE BYPASS CABINET	61/946219	
124US02	SYSTEMS AND METHODS FOR SAVING A REMAINDER OF CASH TRANSACTIONS	14/208797	
366US01	SYSTEM AND METHOD FOR STORING AND PROCESSING DATABASE REQUESTS	61/981318	
335US01	PREDICTIVE PATTERN PROFILE PROCESS	61/991143	
348US01	SYSTEMS AND METHODS FOR CASHIER SCHEDULING	61/992627	
350US01	IDENTIFY CHECKOUT BY CASHIER CAPABILITIES	61/992694	
462US01	HYBRID DIGITAL SCRUM BOARD	62/006587	
337US01	SYSTEM AND METHOD FOR IDENTIFYING ELASTIC PRODUCTS	62/028568	
356US01	SYSTEM AND METHOD FOR APPLYING THIRD PARTY DONATIONS TO A DONEE MERCHANT ORDER	62/030396	
347US01	SYSTEMS AND METHODS FOR ROLL-UP PAYMENTS	62/030878	
353US01	SYSTEMS AND METHODS FOR PROMOTIONAL FORECASTING	62/030906	
393US01	SYSTEM AND METHOD FOR PRICE POSITION SENSITIVITY ANALYSIS	62/030886	
392US01	SYSTEMS AND METHODS FOR MANAGEMENT OF DIGITALLY EMULATED SHADOW RESOURCES	62/030710	
371US01	INTEGRATED ONLINE AND IN-STORE SHOPPING EXPERIENCE	62/031401	

Ref. No.	Title	Application No.	Patent No.
377US01	SYSTEM AND METHOD FOR COORDINATED SHOPPING AMONG MEMBERS OF A GROUP	62/031328	
379US01	ONLINE CART AND SHOPPING LIST SHARING	62/031430	
466US01	SYSTEMS AND METHODS FOR PROMOTIONAL PROGRAMS	62/042635	
496US01	SYSTEMS, DEVICES, AND METHODS FOR DETERMINING AN OPERATIONAL HEALTH SCORE	62/074898	
092US02	SECURITY BYPASS ENVIRONMENT FOR CIRCUMVENTING A SECURITY APPLICATION IN A COMPUTING ENVIRONMENT	14/570686	9600660
264US04	MODULAR WALL ASSEMBLY FOR A COSMETIC FIXTURE SYSTEM	14/581056	9782018
264US03	MODULAR SHELF ASSEMBLY FOR A COSMETIC FIXTURE SYSTEM	14/580630	
508US01	SYSTEMS, DEVICES, AND METHODS FOR INCIDENT MANAGEMENT INTERACTIONS	62/098680	
332US02	DATA PERSPECTIVE ANALYSIS SYSTEM AND METHOD	14/591360	
389US01	METHODS AND SYSTEMS FOR AUDITING OVERSTOCK IN A RETAIL ENVIRONMENT	62/110976	
315US01	CODE USAGE MAP	62/121795	
492US01	SYSTEMS, DEVICES, AND METHODS FOR SOFTWARE DISCOVERY USING APPLICATION ID TAGS	62/126936	
569US01	SYSTEMS AND METHODS FOR SOFTWARE SCANNING TOOL	62/134232	
441US01	SYSTEMS AND METHODS FOR REPLENISHMENT IN A FREIGHT TETHERING ENVIRONMENT	62/134927	
515US01	MULTIPLE DISPLAY ENVIRONMENT FOR SOFTWARE DEVELOPMENT PROJECTS	62/138717	
595US01	SYSTEMS AND METHODS FOR A MULTI-DISPLAY COLLABORATION ENVIRONMENT	62/138699	
637US01	SYSTEMS AND METHODS FOR MODELING COST OF A PRODUCT	62/138790	
457US01	SYSTEMS, DEVICES, AND METHODS FOR PREDICTING PRODUCT PERFORMANCE IN A RETAIL DISPLAY AREA	62/140244	
366US02	SYSTEM AND METHOD FOR STORING AND PROCESSING DATABASE REQUESTS	14/689493	
674US01	MOBILE ANALYTICS COLLADORATION ALERTS	62/152349	

PATENT
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Ref. No.	Title	Application No.	Patent No.
602US01	SYSTEMS, DEVICES, AND METHODS FOR PREAUTHORIZED PAYMENT	62/155106	
325US02	PREDICTIVE PATTERN PROFILE PROCESS	14/707624	
350US02	SYSTEMS AND METHODS FOR IDENTIFYING TRANSACTION CAPABILITIES OF CASHIER	14/711161	9779395
561US01	SYSTEMS, DEVICES, AND METHODS FOR CONFIGURING A GRAPHICAL USER INTERFACE TO DISPLAY PERFORMANCE DATA	62/160857	
563US01	SYSTEMS, DEVICES, AND METHODS FOR CONTROLLING AN ELECTRONIC DISPLAY DEVICE TO RENDER A GRAPHICAL USER INTERFACE WITH SELECTIVELY OBFUSCATED PORTIONS	62/162315	
522US01	SYSTEMS AND METHODS FOR DISPLAYING CHECKOUT LANE INFORMATION	62/163669	
475US01	QUEUE MEASUREMENT SYSTEM AND METHOD	62/163584	
462US02	HYBRID DIGITAL SCRUM BOARD	14/728706	
524US01	SYSTEMS AND METHODS FOR CONTROLLING CHECKOUT BELT SPEED	62/172381	
506US01	SYSTEMS AND METHODS FOR DEPOSITING CASH INTO AN ACCOUNT USING A POINT-OF-SALE SYSTEM	62/183011	
507US01	SYSTEMS AND METHODS FOR DEPOSITING A CHECK INTO AN ACCOUNT USING A POINT-OF-SALE SYSTEM	62/183017	
185US03	RFID READER LOCATION SELF-DISCOVERY	14/807351	9563793
169US01	SYSTEM AND METHOD FOR ASSIGNING EMPLOYEES TO COVERAGE AND/OR TASKS BASED ON SCHEDULE AND PREFERENCES	14/763111	
393US02	SYSTEMS AND METHODS FOR MANAGEMENT OF DIGITALLY EMULATED SHADOW RESOURCES	14/808585	
356US02	SYSTEM AND METHOD OF APPLYING THIRD PARTY DONATIONS TO A DONEE MERCHANT ORDER	14/810697	
377US02	CONSOLIDATING AND TRANSFORMING OBJECT-DESCRIPTIVE INPUT DATA TO DISTRIBUTED RENDERED LOCATION DATA	14/813225	9797731
353US02	SYSTEMS AND METHODS FOR PROMOTIONAL FORECASTING	14/813999	
371US02	INTEGRATED ONLINE AND IN-STORE SHOPPING EXPERIENCE	14/814737	

Ref. No.	Title	Application No.	Patent No.
379US02	ONLINE CART AND SHOPPING LIST SHARING	14/815164	
660US01	SYSTEMS, DEVICES, AND METHODS FOR DETECTING FIREARM STRAW PURCHASES	62/199626	
723US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING REDEEMABLE ELECTRONIC FUEL CODES	62/199692	
676US01	SYSTEMS AND METHODS FOR WORKFORCE RECOMMENDATION TOOL	62/200477	
752US01	BAG DISPENSER	62/212314	
236US02	APPARATUS AND METHOD ENABLEMENT OF CUSTOMER INFORMATION CONTROL SYSTEMS ON A MAINFRAME COMPUTER	14/774514	
584US01	MODULARIZABLE REGISTER	62/217418	
758US01	MAINTENANCE OF DISTRIBUTED COMPUTING SYSTEMS	62/217437	
170US04	OVERNIGHT PRODUCTIVITY DASHBOARD	14/776211	
794US01	ADJUSTABLE INTERACTIVE VOICE RESPONSE SYSTEM	62/221419	
771US01	ADJUSTABLE DUAL-TONE MULTI-FREQUENCY PHONE SYSTEM	62/221416	
792US01	SYSTEMS AND METHODS OF OBJECT IDENTIFICATION AND DATABASE CREATION	62/233738	
801US01	LOCATION BASED REGISTER RULES	62/233653	
787US01	EXPRESS RECYCLING SACK	62/236510	
935US01	AUGMENTED REFRIGERATED DISPLAY UNIT	62/236505	
793US01	DATA SYNTHESIS USING NEAR FIELD COMMUNICATIONS	62/240309	
390US01	MACHINE LEARNING SYSTEM	62/249667	
496US02	SYSTEMS, DEVICES, AND METHODS FOR DETERMINING AN OPERATIONAL HEALTH SCORE	14/931377	
855US01	SYSTEMS AND METHODS FOR CORRECTION OF GEOGRAPHIC INCONSISTENCY IN ITEM PROPERTIES	62/250746	
802US01	DISTRIBUTED COMPUTING SYSTEM	62/255126	
837US01	MERCHANDISE FIXTURE	62/257408	
1191US01	SYSTEMS AND METHODS FOR FLEXIBLY SECURING CARD DATA	62/257430	
802US02	DISTRIBUTED COMPUTING SYSTEM	62/258179	
613US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING AND RENDERING SNOW REMOVAL PROCESS DATA	14/956136	

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678US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING AND RENDERING PROCUREMENT AID DATA VIA AN ELECTRONIC DISPLAY DEVICE	14/958859	
399US01	SYSTEMS AND METHODS FOR DYNAMICALLY SETTING VALUES IN A COMPUTING SYSTEM BASED ON SCANNING OF MACHINE-READABLE REPRESENTATIONS ASSOCIATED WITH PHYSICAL OBJECTS	14/961363	
508US02	SYSTEMS, DEVICES, AND METHODS FOR INCIDENT MANAGEMENT INTERACTIONS	14/974714	
1009US01	SYSTEMS, DEVICES, AND METHODS FOR AUTOMATICALLY CONTROLLING AUTOMOTIVE FUEL AND SERVICE STATIONS	62/269891	
1010US01	SYSTEMS AND METHODS FOR RESOLVING DATA DISCREPANCY	62/269771	
846US01	TWO-WAY MERCHANDISE FIXTURE	62/270237	
933US01	POSITION TRACKING SYSTEM	62/271161	
1048US01	DATA BREACH DETECTION SYSTEM	62/270963	
449US01	SYSTEMS AND METHODS FOR DATA AUTHENTICATION VIA A STATELESS EDGE APPLIANCE	62/273720	
565US01	HIGH VELOCITY CHECKOUT TERMINAL	62/281498	
1032US01	CLIP FOR SECURING ELONGATED LABEL TRACK AND ASSOCIATED SYSTEMS AND METHODS	62/286076	
389US02	METHODS AND SYSTEMS FOR AUDITING OVERSTOCK IN A RETAIL ENVIRONMENT	15/012224	
1073US01	SHOPPING CART COMMUNICATION SYSTEM	62/289605	
1064US01	SELF-DEPOSIT APPARATUS	62/290177	
1071US01	SHOPPING CART AND ASSOCIATED SYSTEMS AND METHODS	62/292495	
1065US01	SYSTEMS, DEVICES, AND METHODS FOR MACHINE READING	62/293010	
948US01	PERIPHERAL DEVICE IMPLEMENTATION SYSTEM AND ASSOCIATED METHODS	62/298527	
1109US01	A CLUSTER TRACKING SYSTEM	62/298626	
315US02	CODE USAGE MAP	15/055501	
1107US01	IMAGE GENERATOR FOR LOCATION BASED ARRANGEMENTS OF ELEMENTS	62/300319	
1127US01	SYSTEMS AND METHODS FOR IMPROVED ACCESS TO ELECTRONIC DATA	62/300533	

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1123US01	SYSTEMS, DEVICES, AND METHODS FOR DYNAMIC VIRTUAL DATA ANALYSIS	62/301146	
766US01	SYSTEMS AND METHODS FOR RECONCILIATION OF VARIOUS LOTTERY TRANSACTIONS	62/304795	
1104US01	SYSTEMS AND METHODS FOR PRODUCT SORTATION	62/305816	
1204US01	SENSOR SYSTEMS AND METHODS FOR MONITORING UNLOADING OF CARGO	62/306161	
569US02	SYSTEMS AND METHODS FOR SOFTWARE SCANNING TOOL	15/060510	9875096
441US02	SYSTEMS AND METHODS FOR REPLENISHMENT IN A FREIGHT TETHERING ENVIRONMENT	15/069501	
1318US01	SYSTEM FOR VERIFYING PHYSICAL OBJECT ABSENCES FROM ASSIGNED REGIONS USING VIDEO ANALYTICS	62/309037	
1210US01	SYSTEMS AND METHODS FOR OBJECT MATCHING AND SUBSTITUTION	62/309678	
1325US01	SYSTEMS AND METHODS FOR AUTONOMOUS DRONE NAVIGATION	62/311060	
1203US01	A SYSTEM FOR TRACKING PHYSICAL OBJECTS	62/312002	
515US02	MULTIPLE DISPLAY ENVIRONMENT FOR SOFTWARE DEVELOPMENT PROJECTS	15/079651	
457US02	SYSTEMS, DEVICES, AND METHODS FOR PREDICTING PRODUCT PERFORMANCE IN A RETAIL DISPLAY AREA	15/085260	
1202US01	SYSTEMS, DEVICES, AND METHODS FOR COMPUTING GEOGRAPHICAL RELATIONSHIPS BETWEEN OBJECTS	62/317074	
1133US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING A ROUTE FOR RELOCATING OBJECTS	62/317020	
1199US01	SYSTEMS AND METHODS FOR ESTIMATING A GEOGRAPHICAL LOCATION OF AN UNMAPPED OBJECT WITHIN A DEFINED ENVIRONMENT	62/317833	
1205US01	SHOPPING CART CORRAL SYSTEM AND ASSOCIATED SYSTEMS AND METHODS	62/318886	
1407US01	SYSTEMS AND METHODS FOR DRONE DISPATCH AND OPERATION	62/320890	
186US03	MERCHANDISE EVENT MONITORING VIA WIRELESS TRACKING	15/096928	

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1049US01	SYSTEMS AND METHODS FOR VIRTUALIZATION IN DISTRIBUTED COMPUTING ENVIRONMENT INCLUDING A MOBILE MONITOR	62/321463	
1102US01	SYSTEMS AND METHODS FOR LOCATING PHYSICAL OBJECTS USING LIVE IMAGE FEEDS	62/321493	
1714US01	MECHANICAL OVERSTOCK AUDIT TOOL AND ASSOCIATED METHODS	62/321347	
674US02	MOBILE ANALYTICS COLLABORATION ALERTS	15/136729	
602US02	SYSTEMS, DEVICES, AND METHODS FOR DISTRIBUTED PROCESSING FOR PREAUTHORIZED PAYMENT	15/143433	9703448
1181US01	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS	62/331647	
561US02	SYSTEMS, DEVICES, AND METHODS FOR CONFIGURING A GRAPHICAL USER INTERFACE	15/154415	
563US02	SYSTEMS, DEVICES, AND METHODS FOR CONTROLLING AN ELECTRONIC DISPLAY DEVICE TO RENDER A GRAPHICAL USER INTERFACE WITH SELECTIVELY OBFUSCATED PORTIONS TO PROTECT CONFIDENTIAL OR PRIVATE INFORMATION	15/154424	
522US02	DISPLAY SYSTEMS AND METHODS	15/158427	
475US02	MEASUREMENT SYSTEM AND METHOD	15/159423	
219US03	WIDE ANGLE PLANAR ANTENNA ASSEMBLY	15/163108	9601834
1503US01	SYSTEMS, DEVICES, AND METHODS FOR DYNAMICALLY GENERATING DELIVERY DESTINATIONS, TIME AND ROUTES	62/344118	
524US02	SYSTEMS AND METHODS FOR CONTROLLING CHECKOUT BELT SPEED	15/175335	
307US02	SYSTEMS AND METHODS FOR SALES EXECUTION ENVIRONMENT	15/186658	
306US02	SYSTEMS AND METHOD FOR REMOTE ACCESS	15/188801	
507US02	SYSTEM AND METHOD FOR ELECTRONIC DEVICE ACCESS	15/188811	
302US02	SYSTEM AND METHOD FOR PERFORMING OPERATIONS IN RESPONSE TO PREAUTHORIZATION AND GEOGRAPHIC LOCATION DATA	15/189065	
1138US01	SYSTEMS AND METHODS FOR AUTOMATED ASSESSMENT OF PHYSICAL OBJECTS	62/361283	
1417US01	SYSTEMS AMD METHODS FOR DETECTING VEHICLE ATTRIBUTES	62/362295	

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1498US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING TERMINAL RESOURCE RECOMMENDATIONS	62/363645	
660US02	SYSTEMS, DEVICES, AND METHODS FOR DETECTING FIREARM STRAW PURCHASES	15/221182	
723US03	SYSTEMS, DEVICES, AND METHODS FOR GENERATING REDEEMABLE ELECTRONIC FUEL CODES	15/222110	
723US03	SYSTEMS, DEVICES, AND METHODS FOR GENERATING REDEEMABLE ELECTRONIC FUEL CODES	15/222154	
1420US01	SYSTEMS AND METHODS FOR ESTIMATING TRAFFIC BASED ON DEPRESSIONS IN FLOOR MATS	62/369404	
676US03	SYSTEMS AND METHODS FOR RECOMMENDATION TOOL	15/226073	
1421US01	SYSTEM AND METHODS FOR DETECTING MISSING LABELS	62/374404	
1590US01	PERISHABLE FOOD DETECTION SYSTEM	62/375015	
1418US01	SYSTEMS AND METHODS FOR DETERMINING CROWD TRAFFIC BY DETECTING DEBRIS IN FLOOR MATS	62/375523	
1422US01	OBJECT DETECTION USING AUTONOMOUS ROBOT DEVICES	62/375525	
1523US01	CART INVENTORY SYSTEM AND ASSOCIATED METHODS	62/378755	
1412US01	SYSTEMS, DEVICES, AND METHODS FOR MOTION DETECTION USING AN AIR CURTAIN	62/379338	
368US02	AUTOMATIC TRANSFER SWITCH MAINTENANCE BYPASS CABINET	15/121950	
1409US01	VEHICLE ANALYSIS SYSTEM AND ASSOCIATED METHODS	62/379974	
1411US01	VEHICLE SUSPENSION MEASUREMENT SYSTEM AND ASSOCIATED METHODS	62/379978	
752US02	BAG DISPENSER	15/250360	
2834US01	DRY ERASER AND ASSOCIATED SYSTEMS AND METHODS	62/381328	
2832US01	DRY ERASER AND ASSOCIATED SYSTEMS AND METHODS	62/381338	
584US02	MODULARIZABLE REGISTER	15/258482	
738US02	MAINTENANCE OF DISTRIBUTED COMPUTING SYSTEMS	15/258488	
1415US01	SENSOR SYSTEMS AND METHODS FOR ANALYZING PRODUCE AND PLASTIC BAG PROPERTIES	62/384791	
1495US01	CART WEIGHT SENSING SYSTEM	62/384957	
1619US01	AUTOMATED TOTE ROUTING SYSTEM AND METHODS	62/384856	

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1522US01	SYSTEMS AND METHODS FOR AUTONOMOUS ASSISTANCE AND ROUTING	62/384990	
1406US01	VEHICLE IDENTIFICATION SYSTEM AND ASSOCIATED METHODS	62/393223	
1414US01	SHOPPING CART DEFLECTION MEASUREMENT SYSTEM AND ASSOCIATED METHODS	62/393231	
1497US01	MILK STORAGE SYSTEM AND ASSOCIATED METHODS	62/393309	
1410US01	SYSTEMS AND METHODS FOR ANALYZING REMOTELY LOCATED FACILITIES	62/393808	
1508US01	SYSTEM AND METHODS FOR IDENTIFYING AN ACTION BASED ON SOUND DETECTION	62/393763	
1509US01	SYSTEMS AND METHODS FOR IDENTIFYING AN ACTION OF A FORKLIFT BASED ON SOUND DETECTION	62/393765	
1510US01	SYSTEM AND METHODS FOR ESTIMATING STORAGE CAPACITY BASED ON SOUND DETECTION	62/393767	
1511US01	SYSTEM AND METHODS FOR DETECTING FULLNESS OF A TOTE BASED ON SOUND	62/393769	
1512US01	SYSTEM AND METHODS FOR IDENTIFYING AN ACTION BASED ON A CHRONOLOGICAL ORDER OF DETECTED SOUNDS	62/393772	
1513US01	SYSTEM AND METHODS FOR IDENTIFYING ACCIDENTS BASED ON SOUND DETECTION	62/393773	
1530US01	AUTOMATED INTEGRATION SYSTEM	62/394372	
1531US01	SYSTEM AND METHOD FOR A DISTRIBUTED DATA MANAGEMENT SYSTEM	62/394379	
1533US01	SYSTEM AND METHOD FOR A DISTRIBUTED ADJUSTMENT SYSTEM	62/394382	
1520US01	DYNAMIC PROJECTION SYSTEM	62/395005	
1622US01	SECURE ENCLOSURE SYSTEM AND ASSOCIATED METHODS	62/396607	
1624US01	AUTONOMOUS VEHICLE CONTENT IDENTIFICATION SYSTEM AND ASSOCIATED METHODS	62/396609	
2813US01	LID FOR A REUSABLE PLASTIC CONTAINER	62/396698	
794US02	ADJUSTABLE INTERACTIVE VOICE RESPONSE SYSTEM	15/270203	9736310
771US02	ADJUSTABLE DUAL-TONE MULTI-FREQUENCY PHONE SYSTEM	15/270183	9894210

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1112US01	SYSTEMS AND METHODS FOR TRACKING USERS OF WEARABLE DEVICES	62/397146	
1518US01	SYSTEMS AND METHODS FOR AUTONOMOUS ITEM IDENTIFICATION	62/397108	
1521US01	SYSTEMS, DEVICES, AND METHODS FOR PROVIDING DRONE ASSISTANCE	62/397058	
1033US01	SYSTEM AND METHODS FOR POINT TO POINT ENCRYPTION AND TOKENIZATION	62/397508	
2909US01	SYSTEM AND METHODS FOR POINT TO POINT ENCRYPTION AND TOKENIZATION USING A MOBILE DEVICE	62/397514	
2910US01	SYSTEM AND METHODS FOR POINT TO POINT ENCRYPTION AND TOKENIZATION IN A HOSTED ENVIRONMENT	62/397535	
792US02	SYSTEMS AND METHODS OF OBJECT IDENTIFICATION AND DATABASE CREATION	13/274407	
2906US01	SOFT-SIDED COOLER	62/399806	
801US02	LOCATION BASED REGISTER RULES	15/277138	
787US02	COLLAPSIBLE RECYCLING SACK	15/278352	
933US02	AUGMENTED REFRIGERATED DISPLAY UNIT	15/280511	
1487US01	BRUSH ASSEMBLY	62/401400	
1708US01	SYSTEMS, DEVICES, AND METHODS FOR DETECTING SPILLS USING AUDIO SENSORS	62/401376	
2806US01	SYSTEM AND METHODS FOR DRONE-BASED VEHICLE STATUS DETERMINATION	62/403971	
2807US01	SYSTEMS AND METHODS FOR AUTONOMOUS DRONE NAVIGATION	62/403985	
783US02	DATA SYNTHESIS USING NEAR FIELD COMMUNICATION	15/290596	
1709US01	SYSTEMS, DEVICES, AND METHODS FOR DETECTING SPILLS	62/407297	
1688US01	SHELF SYSTEM AND ASSOCIATED METHODS	62/407821	
1620US01	SYSTEMS, DEVICES, AND METHODS FOR OBJECT QUALITY MONITORING	62/408660	
1517US01	SYSTEMS, DEVICES, AND METHODS FOR MONITORING OBJECTS IN A CART	62/409443	
390US02	MACHINE LEARNING SYSTEM	15/355010	
1289US01	AUTOMATED PAINT MIXING AND VERIFICATION SYSTEM AND METHODS	62/415846	

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1463US01	CONFIGURABLE PRODUCT HOUSING SYSTEM	62/416918	
802US03	DISTRIBUTED COMPUTING SYSTEM	15/347862	
348US02	SYSTEMS AND METHODS FOR CASHIER SCHEDULING	15/310534	
837US02	MERCHANDISE FIXTURE	15/353344	
2878US01	SOFT-SIDED COOLER	29/584726	
2877US01	SOFT-SIDED COOLER BACKPACK	29/584728	
2876US01	SOFT-SIDED COOLER TOTE	29/584729	
1743US01	INSTRUCTION RETRIEVAL SYSTEM	62/423366	
1191US02	SYSTEMS AND METHODS FOR FLEXIBLY SECURING DATA	15/357181	
1519US01	SYSTEMS AND METHODS FOR DETERMINING LABEL POSITIONS	62/427537	
2293US01	SYSTEMS AND METHODS FOR IDENTIFYING AVAILABLE LOCATION-BASED SERVICES	62/432339	
2301US01	SYSTEMS AND METHODS FOR IDENTIFYING LOCATION-BASED SERVICES	62/432267	
1048US02	DATA BREACH DETECTION SYSTEM	15/376038	
1516US01	DYNAMIC ALERT SYSTEM IN A FACILITY	62/432775	
933US02	POSITION TRACKING SYSTEM	15/377819	
846US02	TWO-WAY MERCHANDISE FIXTURE	15/379099	
1625US01	FLOOR MAT SENSING SYSTEM AND ASSOCIATED METHODS	62/434112	
1945US01	PORTABLE CONTAINER	62/434121	
1009US02	SERVICE STATION FUEL PUMP	15/381048	
1009US03	SYSTEM FOR REMOTELY IDENTIFYING A VEHICLE	15/381051	
449US02	SYSTEMS AND METHODS FOR DATA AUTHENTICATION VIA A STATELESS EDGE APPLIANCE	15/380698	
1010US02	SYSTEMS AND METHODS FOR RESOLVING DATA DISCREPANCY	15/381480	
1514US01	SYSTEMS AND METHODS FOR SORTING MECHANISMS AT A TERMINAL	62/437492	
1515US01	SYSTEMS AND METHODS FOR SORTING MECHANISMS AT A TERMINAL	62/437491	
1689US01	DETECTION SYSTEM FOR UNSAFE ACTIVITY AT A SHELVING UNIT	62/437488	
1905US01	SHOPPING CART WITH ASSISTANCE UNIT	62/437286	

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1850US01	SHOPPING CART WITH STERILIZATION MECHANISM	62/438091	
1690US01	SYSTEM AND METHODS FOR IDENTIFYING POSITIONS OF PHYSICAL OBJECTS BASED ON SOUNDS	62/442307	
1735US01	TASK-INDICATING SHELF	62/444424	
3117US01	REUSABLE BREAK PACK CARTON	62/445809	
1621US01	SYSTEMS AND METHODS FOR DELIVERY VEHICLE MONITORING	62/445442	
1526US01	INVENTORY MONITORING SYSTEM AND ASSOCIATED METHODS	62/445946	
1527US01	INVENTORY MONITORING SYSTEM WITH VISUAL INDICATOR AND ASSOCIATED METHODS	62/445959	
1719US01	ZONING TOOL	62/445784	
1816US01	ADJUSTABLE APPARATUS FOR PRODUCT DISPLAY	62/445783	
565US02	HIGH VELOCITY CHECKOUT TERMINAL	15/409413	
1032US02	CLIP FOR SECURING ELONGATED LABEL TRACK AND ASSOCIATED SYSTEMS AND METHODS	15/411240	
1623US01	SYSTEMS AND METHODS FOR MONITORING HOME INVENTORY	62/448530	
337US02	SYSTEM AND METHOD FOR GROUPED ANALYSIS VIA GEOGRAPHICALLY DISTRIBUTED SERVERS	15/338822	
2032US01	STORAGE CONTAINER WITH TEMPERATURE CONTROL	62/449770	
2119US01	INSULATED BAG ROLL SYSTEM	62/449780	
1684US01	SHOPPING CART WITH AN RFID INTERFACE AND ASSOCIATED SYSTEMS AND METHODS	62/450737	
1688US01	SHOPPING CART AND ASSOCIATED SYSTEMS AND METHODS	62/450653	
1686US01	SHOPPING CART WITH AN RFID INTERFACE AND ASSOCIATED SYSTEMS AND METHODS	62/450698	
1733US01	SYSTEM AND METHOD FOR LOCATING FIXTURES USING RF ANTENNAS	62/450856	
1747US01	SYSTEM AND METHOD FOR ASSESSING WAIT TIMES IN A FACILITY	62/450632	
347US02	SYSTEMS AND METHODS FOR DYNAMIC CALCULATION AND UPDATES OF VALUES	15/500413	
393US02	SYSTEMS AND METHODS FOR DYNAMIC VALUE CALCULATION AND UPDATE ACROSS DISTRIBUTED SERVERS	15/500424	
1869US01	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS	62/452112	

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1871US01	DISTRIBUTED AUTONOMOUS ROBOT INTERFACING SYSTEMS AND METHODS	62/452118	
1870US01	SYSTEMS AND METHODS FOR DISTRIBUTED AUTONOMOUS ROBOT INTERFACING USING LIVE IMAGE FEEDS	62/452121	
1872US01	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS WITH RFID TRACKING	62/452125	
1873US01	SYSTEMS AND METHODS FOR RESOLVING ISSUES IN A DISTRIBUTED AUTONOMOUS ROBOT SYSTEM	62/452128	
843US01	SYSTEMS AND METHODS FOR A SPECIALIZED COMPUTER FILE SYSTEM	62/452224	
1064US02	SELF-DEPOSIT APPARATUS	15/420587	
1073US02	SHOPPING CART COMMUNICATION SYSTEM	15/420363	
2050US01	SYSTEMS, DEVICES, AND METHODS FOR LABEL-FREE SHIPPING	62/453382	
2058US01	SECURITY DETECTION SYSTEM USING ROBOTIC DEVICES	62/453635	
947US01	SYSTEMS AND METHODS FOR DISPLAYING AN ITEM IN A SELECTED STORAGE LOCATION USING AUGMENTED REALITY	62/453787	
1792US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING PERSONALIZED ELECTRONIC DOCUMENTS	15/423535	
2889US01	SYSTEMS, DEVICES, AND METHODS FOR PROVIDING INTERACTIVE PHARMACY SERVICES	15/423533	
1071US02	SHOPPING CART AND ASSOCIATED SYSTEMS AND METHODS	15/426569	
1485US01	MOLD INHIBITING PACKAGE AND ASSOCIATED METHODS FOR FABRICATING AND PACKAGING	62/455682	
1821US01	SYSTEMS AND METHODS FOR EMPLOYEE TIME RECORDING	62/455911	
1065US02	SYSTEMS, DEVICES, AND METHODS FOR MACHINE READING	15/428802	
1946US01	SYSTEMS AND METHODS FOR MONITORING SHOPPING CART WHEELS	62/456805	
092US03	SECURITY BYPASS ENVIRONMENT FOR CIRCUMVENTING A SECURITY APPLICATION IN A COMPUTING ENVIRONMENT	15/429921	9888009
219US01	WIDE ANGLE PLANAR ANTENNA ASSEMBLY	15/430048	
1636US01	VOICE ACTIVATED ASSISTANCE SYSTEM	62/458109	

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1948US01	TEMPERATURE CONTROLLED-SHOPPING CART SYSTEM	62/458164	
1832US01	PAINT MIXING SYSTEM	62/458643	
2056US01	LASER-GUIDED UAV DELIVERY SYSTEM	62/459673	
1635US01	VIRTUAL RETAIL SHOWROOM SYSTEM	62/459696	
1637US01	SYSTEMS AND METHODS FOR A VIRTUAL REALITY SHOWROOM WITH AUTONOMOUS STORAGE AND RETRIEVAL	62/459695	
1391US01	UNMANNED AERIAL/GROUND VEHICLE (UAGV) DETECTION SYSTEM AND METHOD	62/459876	
2186US01	SYSTEMS AND METHODS FOR IDENTIFYING AND DISPLAYING OPTIMAL LOCATIONS FOR A GARDEN	62/459677	
948US02	PERIPHERAL DEVICE IMPLEMENTATION SYSTEM AND ASSOCIATED METHODS	15/435699	
2049US01	AUTONOMOUS UAV RETRIEVAL SYSTEM	62/460313	
1868US01	ELECTRONIC SHELF-LABEL SYSTEM	62/460299	
2059US01	TEMPERATURE-CONTROLLED UAV STORAGE SYSTEM	62/461565	
1107US02	IMAGE GENERATOR FOR LOCATION BASED ARRANGEMENTS OF ELEMENTS	15/439448	
1109US02	CLUSTER TRACKING SYSTEM	15/439418	
1641US01	VOICE ACTIVATED UNMANNED AERIAL VEHICLE (UAV) ASSISTANCE SYSTEM	62/461911	
2138US01	SYSTEMS AND METHODS FOR INTEGRATING ORDERED SERVICES	62/462060	
1687US01	SHOPPING CART WITH RFID AND BIOMETRIC COMPONENTS AND ASSOCIATED SYSTEMS AND METHODS	62/462644	
1736US01	AUTOMATED SHELF SENSING SYSTEM	62/462601	
466US02	SYSTEMS AND METHODS FOR PROMOTIONAL PROGRAMS	15/307157	
1127US02	SYSTEMS AND METHODS FOR ACCESS TO ELECTRONIC DATA	15/443706	
2017US01	SYSTEMS, DEVICES, AND METHODS FOR IN-FIELD AUTHENTICATING OF AUTONOMOUS ROBOTS	62/463869	
1125US02	SYSTEMS, DEVICES, AND METHODS FOR DYNAMIC VIRTUAL DATA ANALYSIS	15/445300	
1523US01	SYSTEMS, DEVICES, AND METHODS FOR FORMING THREE DIMENSIONAL PRODUCTS WITH EMBEDDED RFID ELEMENTS	62/465557	

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2014US01	SYSTEMS, DEVICES, AND METHODS FOR DETERMINING RELOCATION DESTINATIONS FOR DISTRIBUTED OBJECTS	62/465554	
2048US01	REFRIGERATED BLANKET FOR COLD PRODUCT TRANSPORT	62/465499	
1391US02	UNMANNED AERIAL/GROUND VEHICLE (UAGV) DETECTION SYSTEM AND METHOD	62/467510	
1104US02	SYSTEMS AND METHODS FOR PRODUCT SORTATION	15/452721	
766US02	SYSTEMS AND METHODS FOR RECONCILIATION OF VARIOUS LOTTERY TRANSACTIONS	15/452231	
1204US02	SENSOR SYSTEMS AND METHODS FOR MONITORING UNLOADING OF CARGO	15/452977	
1318US02	SYSTEM FOR VERIFYING PHYSICAL OBJECT ABSENCES FROM ASSIGNED REGIONS USING VIDEO ANALYTICS	15/459451	
1203US02	A SYSTEM FOR TRACKING PHYSICAL OBJECTS	15/464483	
1325US02	SYSTEMS AND METHODS FOR AUTONOMOUS DRONE NAVIGATION	15/464659	
1133US02	SYSTEMS, DEVICES, AND METHODS FOR GENERATING A ROUTE FOR RELOCATING OBJECTS	15/474467	
1202US02	SYSTEMS, DEVICES, AND METHODS FOR COMPUTING GEOGRAPHICAL RELATIONSHIPS BETWEEN OBJECTS	15/478947	
1456US01	INTELLIGENT FIXTURE SYSTEM	62/480790	
1823US01	SYSTEMS AND METHODS FOR INTAKE AND TRANSPORT OF PHYSICAL OBJECTS IN A FACILITY	62/480796	
1199US02	SYSTEMS AND METHODS FOR ESTIMATING A GEOGRAPHICAL LOCATION OF AN UNMAPPED OBJECT WITHIN A DEFINED ENVIRONMENT	15/478628	
1305US02	SHOPPING CART CORRAL SYSTEM AND ASSOCIATED SYSTEMS AND METHODS	15/479658	
2146US01	DISTRIBUTED SYSTEM FOR DYNAMIC SENSOR-BASED TRIP ESTIMATION	62/481935	
1283US01	AUTHENTICATION SYSTEM USING NFC TAGS	62/482479	
2253US01	INFECTED FILE DETECTION AND QUARANTINE SYSTEM	62/482484	
1407US02	SYSTEMS AND METHODS FOR DRONE DISPATCH AND OPERATION	15/482147	
1849US01	SYSTEMS, DEVICES, AND METHODS FOR AUTOMATED PALLET AND RECEPTACLE RELOCATION	62/482957	

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2527US01	SYSTEM FOR RECORDING OWNERSHIP OF DIGITAL WORKS AND PROVIDING BACKUP COPIES	62/482908	
2532US01	SYSTEMS AND METHODS FOR DATA BACKUP AND AUTHENTICATION USING BLOCKCHAIN	62/483927	
1714US02	MECHANICAL OVERSTOCK AUDIT TOOL AND ASSOCIATED METHODS	15/484651	
1049US02	SYSTEMS AND METHODS FOR VIRTUALIZATION IN DISTRIBUTED COMPUTING ENVIRONMENT INCLUDING A MOBILE MONITOR	15/485834	
1102US02	SYSTEMS AND METHODS FOR LOCATING PHYSICAL OBJECT USING LIVE IMAGE FEEDS	15/485847	
1058US01	EVENT STREAMING SYSTEM	62/485110	
2551US01	HYBRID REMOTE RETRIEVAL SYSTEM	62/486120	
1181US02	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS	15/487113	
1949US01	TOILET OVERFLOW CONTAINMENT SYSTEM	62/501301	
2161US01	SYSTEMS AND METHODS FOR PROVIDING ACCESS TO A SECURED CONTAINER	62/501465	
1128US01	DISTRIBUTED IMAGE-BASED ACQUISITION SYSTEM	62/503694	
1542US01	CLOUD BASED AUTHENTICATION OF OBJECTS	62/506214	
2083US01	SYSTEMS AND METHODS FOR DYNAMICALLY UPDATING STORED LISTS BASED ON CONTEMPORANEOUS LOCATION DATA ASSOCIATED WITH CLIENT DEVICES	62/506217	
1683US01	SYSTEMS, DEVICES, AND METHODS FOR MONITORING OBJECT LOCATIONS	62/507839	
1503US02	SYSTEMS, DEVICES, AND METHODS FOR DYNAMICALLY GENERATING DELIVERY DESTINATIONS, TIME AND ROUTES	15/609863	
2176US01	AUGMENTED TOUCH-SENSITIVE DISPLAY SYSTEM	62/516766	
2105US01	METHODS AND SYSTEMS FOR AN ELECTRONIC SHELF LABEL SYSTEM	62/517013	
1866US01	SYSTEMS AND METHODS FOR PROVIDING LOCATION-BASED TIME-LIMITED SERVICES	62/517851	
1290US01	SYSTEMS AND METHODS FOR A COMMUNICATION SYSTEM	62/517860	
2210US01	SYSTEMS AND METHODS FOR AUTOMATIC PHYSICAL OBJECT STATUS MARKING	62/517274	

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3472US01	BREAK PACK CONTAINER	62/517224	
2481US01	SYSTEMS AND METHODS FOR AN AUGMENTED DISPLAY SYSTEM	62/517242	
1409US02	VEHICLE ANALYSIS SYSTEM AND ASSOCIATED METHODS	15/621681	
411US02	VEHICLE SUSPENSION MEASUREMENT SYSTEM AND ASSOCIATED METHODS	15/621770	
1523US02	CART INVENTORY SYSTEM AND ASSOCIATED METHODS	15/621645	
602US03	SYSTEMS, DEVICES, AND METHODS FOR DISTRIBUTED PROCESSING FOR PREAUTHORIZED PAYMENT	15/622989	
249US02	SYSTEM AND METHOD FOR DISPENSING AND PURCHASING FUEL	15/628866	
3036US01	SYSTEMS AND METHODS FOR DYNAMIC FILE CREATION	62/522839	
2936US01	SYSTEMS AND METHODS FOR OBJECT REPLACEMENT	62/522883	
842US01	SYSTEM AND METHODS FOR AN INFORMATION STORAGE AND RETRIEVAL SYSTEM FOR AN ELECTRONIC DOCUMENT INTERCHANGE (EDI) ENVIRONMENT	62/523345	
1158US02	SYSTEMS AND METHODS FOR AUTOMATED ASSESSMENT OF PHYSICAL OBJECTS	15/623946	
1417US02	SYSTEMS AND METHODS FOR DETECTING VEHICLE ATTRIBUTES	15/623912	
1934US01	SYSTEMS, METHODS, AND DEVICES FOR PROVIDING A VIRTUAL REALITY WHITEBOARD	62/525875	
3303US01	SYSTEMS AND METHODS FOR RECOMMENDING OBJECTS BASED ON CAPTURED DATA	62/530558	
2295US01	SYSTEMS AND METHODS FOR MAINTAINING QUALITY CONTROL BETWEEN DISTRIBUTION CENTERS AND FACILITIES	62/531040	
2624US01	ADJUSTABLE TRUCK COMPARTMENT SYSTEM	62/530915	
3455US01	SYSTEMS AND METHODS FOR EMPLOYEE PROXIMITY TRACKING	62/531045	
2163US01	SYSTEMS AND METHODS FOR DYNAMICALLY DISPLAYING INFORMATION ABOUT AN OBJECT USING AUGMENTED REALITY	62/531518	
3094US01	AUTONOMOUS ROBOT DELIVERY SYSTEMS AND METHODS	62/531576	

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1421US02	SYSTEMS AND METHODS FOR DETECTING MISSING LABELS	15/649890	
3459US01	SYSTEMS AND METHODS FOR SECUREMENT OF CARGO ON A PALLET	62/532559	
1322US02	OBJECT DETECTION USING AUTONOMOUS ROBOT DEVICES	15/651693	
1590US02	PERISHABLE FOOD DETECTION SYSTEM	15/653786	
1498US02	SYSTEMS, DEVICES, AND METHODS FOR GENERATING TERMINAL RESOURCE RECOMMENDATIONS	15/653580	
052US03	SYSTEM AND METHOD FOR TRANSACTION PAYMENTS USING A MOBILE DEVICE	15/656921	
1540US01	SYSTEMS AND METHODS FOR CHIP-EMBEDDED PRODUCT SEALS	62/533712	
721US01	SYSTEMS AND METHODS FOR PREDICTING BUFFER VALUE	62/537104	
513US02	REAL TIME ORDER AND ACTIVATION PROCESSING SYSTEM	15/661896	
2891US01	SYSTEM AND METHODS FOR DATA TRANSFER IN DISTRIBUTED ENVIRONMENTS	62/537620	
794US03	ADJUSTABLE INTERACTIVE VOICE RESPONSE SYSTEM	15/664086	
794US04	ADJUSTABLE INTERACTIVE VOICE RESPONSE SYSTEM AND METHODS OF USING SAME	15/664107	
3442US01	SYSTEMS AND METHODS FOR PROVIDING EMERGENCY MEDICAL ASSISTANCE USING AN AUTOMATED GUIDED VEHICLE	62/540349	
3876US01	ITEM ALIGNMENT TOOL	62/540239	
2483US01	MODULAR ROBOTIC ROVER	62/540774	
2177US01	ELECTRONIC LABEL SYSTEM	62/540822	
3228US01	AUTONOMOUS VEHICLE-BASED ITEM RETRIEVAL SYSTEM AND METHOD	62/540762	
2934US01	AUTOMATED ITEM ASSORTMENT SYSTEM	62/540807	
3210US01	SYSTEM, DEVICES, AND METHODS FOR GENERATING A DYNAMIC THREE DIMENSIONAL COMMUNICATION MAP	62/541140	
3209US01	SYSTEMS, DEVICES, AND METHODS FOR RELAYING COMMUNICATIONS USING AUTONOMOUS DRONES	62/541144	
2184US01	DISTRIBUTES RECOGNITION FEEDBACK ACQUISITION SYSTEM	62/541377	
3212US01	SYSTEMS, DEVICES, AND METHODS FOR GENERATING ROUTES WITHIN LIMITED COMMUNICATION ZONES	62/541156	

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3211US01	SYSTEM, DEVICES, AND METHODS FOR GENERATING VEHICLE ROUTES WITHIN SIGNAL COVERAGE ZONES	62/541149	
1418US02	SYSTEMS AND METHODS FOR DETERMINING TRAFFIC BY DETECTING DEBRIS IN FLOOR MATS	15/671937	
1414US02	SHOPPING CART DEFLECTION MEASUREMENT SYSTEM AND ASSOCIATED METHODS	15/672843	
1622US02	SECURE ENCLOSURE SYSTEM AND ASSOCIATED METHODS	15/672772	
1624US02	AUTONOMOUS VEHICLE CONTENT IDENTIFICATION SYSTEM AND ASSOCIATED METHODS	15/672840	
2164US01	SYSTEMS, DEVICES, AND METHODS FOR AUTOMATICALLY TRIGGERING UNSOLICITED EVENTS IN RESPONSE TO DETECTION OF USERS	62/543068	
1522US02	SYSTEMS AND METHODS FOR AUTONOMOUS ASSISTANCE AND ROUTING	15/677647	
1688US02	SHELF SYSTEM AND ASSOCIATED METHODS	15/683229	
1619US02	AUTOMATED TOTE ROUTING SYSTEM AND METHODS	15/683949	
1412US02	SYSTEMS, DEVICES, AND METHODS FOR MOTION DETECTION USING AN AIR CURTAIN	15/683096	
1495US02	CART WEIGHT SENSING SYSTEM	15/688041	
3197US01	AUTOMATED ROUTING SYSTEMS AND METHODS	62/551060	
3488US01	AUTONOMOUS YARD VEHICLE SYSTEM	62/551431	
3458US01	CONCAVE PALLET DESIGN WITH A LIP	62/551446	
2834US02	DRY ERASER AND ASSOCIATED SYSTEMS AND METHODS	15/690531	
2832US02	DRY ERASER AND ASSOCIATED SYSTEMS AND METHODS	15/690588	
3460US01	TEMPERATURE ENVIRONMENTAL SENSORS ON PALLET	62/551822	
201US03	FLEXIBLE STORE FULFILLMENT	15/691349	
264US05	MODULAR WALL ASSEMBLY FOR A COSMETIC FIXTURE SYSTEM	15/696846	
1309US02	SYSTEMS AND METHODS FOR IDENTIFYING AN ACTION OF A FORKLIFT BASED ON SOUND DETECTION	15/696976	
1415US02	SENSOR SYSTEMS AND METHODS FOR ANALYZING PRODUCE	15/697914	

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1508US02	SYSTEM AND METHODS FOR IDENTIFYING AN ACTION BASED ON SOUND DETECTION	15/698032	
1510US02	SYSTEM AND METHODS FOR ESTIMATING STORAGE CAPACITY AND IDENTIFYING ACTIONS BASED ON SOUND DETECTION	15/698035	
137US03	SYSTEM AND METHOD FOR STREAMING EVENTS IN A TRANSACTION-BASED SYSTEM	15/699431	
4330US01	SYSTEMS AND METHODS FOR DISTRIBUTED ACQUISITIONS	62/556437	
1406US02	VEHICLE IDENTIFICATION SYSTEM AND ASSOCIATED METHODS	15/700387	
1520US02	DYNAMIC PROJECTION SYSTEM	15/700523	
1497US02	MILK STORAGE SYSTEM AND ASSOCIATED METHODS	15/700716	
1410US02	SYSTEMS AND METHODS FOR ANALYZING REMOTELY LOCATED FACILITIES	15/701737	
1530US02	AUTOMATED INTEGRATION SYSTEM	15/702015	
1531US02	SYSTEM AND METHOD FOR A DISTRIBUTED DATA MANAGEMENT SYSTEM	15/702056	
1533US02	SYSTEM AND METHOD FOR A DISTRIBUTED ADJUSTMENT SYSTEM	15/702079	
3795US01	SYSTEMS AND METHODS FOR YARD MANAGEMENT AT DISTRIBUTION CENTERS	62/557422	
4351US01	SYSTEMS AND METHODS FOR AUTOMATED HARMONIZED SYSTEMS (HS) CODE ASSIGNMENT	62/557429	
1980US01	SYSTEMS AND METHODS FOR DYNAMIC DELIVERY	62/558013	
3457US01	SYSTEM AND METHOD FOR PALLET OPTIMIZATION	62/558813	
1518US02	SYSTEMS AND METHODS FOR AUTONOMOUS ITEM IDENTIFICATION	15/707076	
2813US02	LID FOR A REUSABLE PLASTIC CONTAINER	15/707082	
1112US02	SYSTEMS AND METHODS FOR TRACKING USERS OF WEARABLE DEVICES	15/708826	
1521US02	SYSTEMS, DEVICES, AND METHODS FOR PROVIDING DRONE ASSISTANCE	15/708403	
1033US02	SYSTEM AND METHODS FOR POINT TO POINT ENCRYPTION AND TOKENIZATION	15/710107	

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2910US02	SYSTEM AND METHODS FOR POINT TO POINT ENCRYPTION AND TOKENIZATION IN A HOSTED ENVIRONMENT	15/710300	
595US02	SYSTEMS AND METHODS FOR A MULTI-DISPLAY COLLABORATION ENVIRONMENT	15/361422	
3552US01	SYSTEM AND METHODS FOR LOCATION VERIFICATION WITH BLOCKCHAIN CONTROLS	62/562622	
2906US02	SOFT-SIDED COOLER	15/715751	
1334US01	SYSTEM AND METHODS FOR RESOLVING DATA DISCREPANCIES IN A DISTRIBUTED SYSTEM WITH BLOCKCHAIN CONTROLS	62/563996	
1487US02	BRUSH ASSEMBLY	15/718086	
1708US02	SYSTEMS, DEVICES, AND METHODS FOR DETECTING SPILLS USING AUDIO SENSORS	15/718727	
2322US01	SYSTEMS AND METHODS FOR IDENTIFYING AND MANAGING DELAYED DELIVERIES	62/564464	
3818US01	YARD MANAGEMENT SYSTEM	62/564671	
3952US01	SYSTEM AND METHOD FOR VIRTUAL DISPLAY OF CUSTOMIZED PRODUCTS IN A FACILITY	62/568956	
2806US02	SYSTEM AND METHODS FOR DRONE-BASED VEHICLE STATUS DETERMINATION	15/723858	
2807US02	SYSTEMS AND METHODS FOR AUTONOMOUS DRONE NAVIGATION	15/723889	
1709US02	SYSTEMS, DEVICES, AND METHODS FOR DETECTING SPILLS	15/730161	
1620US02	SYSTEMS, DEVICES, AND METHODS FOR OBJECT QUALITY MONITORING	15/782074	
1517US02	SYSTEMS, DEVICES, AND METHODS FOR MONITORING OBJECTS IN A CART	15/783835	
3466US01	SYSTEMS AND METHODS FOR DYNAMIC ALLOCATION	62/574470	
4328US01	SYSTEMS AND METHODS FOR ROUTING DATA IN DISTRIBUTED ENVIRONMENTS	62/576915	
1625US02	FLOOR MAT SENSING SYSTEM AND ASSOCIATED METHODS	15/794830	
1289US02	AUTOMATED PAINT MIXING AND VERIFICATION SYSTEM AND METHODS	15/794692	

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1463US02	CONFIGURABLE PRODUCT HOUSING SYSTEM	15/796404	
1519US02	SYSTEMS AND METHODS FOR DETERMINING LABEL POSITIONS	15/800632	
3451US01	SYSTEM AND METHODS FOR AUTOMATED STORAGE RECEPTACLE PROCESSING	62/580668	
3117US02	REUSABLE BREAK PACK CARTON	15/803600	
1516US02	DYNAMIC ALERT SYSTEM IN A FACILITY	15/810683	
1743US02	AN INSTRUCTION RETRIEVAL SYSTEM	15/814908	
4524US01	ROBOTIC PILL FILLING, COUNTING, AND VALIDATION	62/590646	
1827US01	SYSTEM AND METHOD FOR IDENTITY VERIFICATION OF A USER	62/597805	
3140US01	SYSTEM AND METHOD FOR ACCIDENT MONITORING IN A FACILITY	62/592663	
1945US02	SMART LOCKER	15/831693	
1816US02	ADJUSTABLE APPARATUS FOR PRODUCT DISPLAY	15/831687	
1719US02	ZONING TOOL	15/834390	
2393US02	SYSTEMS AND METHODS FOR IDENTIFYING AVAILABLE LOCATION-BASED SERVICES	15/834674	
2301US02	SYSTEMS AND METHODS FOR IDENTIFYING LOCATION-BASED SERVICES	15/834747	
4355US01	SYSTEM AND METHOD FOR THE DISTRIBUTED APPROVAL OF IMAGE BASED CLAIMS	62/593666	
1948US02	SYSTEMS AND METHODS FOR MONITORING SHOPPING CART WHEELS	15/833938	
4684US01	SYSTEMS AND METHODS FOR A CUSTOMER FEEDBACK CLASSIFICATION SYSTEM	62/596878	
4686US01	SYSTEMS AND METHODS FOR AUTOMATED CLASSIFICATION OF REGULATORY REPORTS	62/596879	
4685US01	SYSTEM AND METHOD FOR THE DETECTION AND VISUALIZATION OF REPORTED ETHICS CASES WITHIN AN ORGANIZATION	62/596989	
4687US01	SYSTEM AND METHOD FOR THE DETECTION AND REPORTING OF OCCUPATIONAL SAFETY INCIDENTS	62/596991	
569US03	SYSTEMS AND METHODS FOR SOFTWARE SCANNING TOOL	15/847084	
1905US02	SHOPPING CART WITH ASSISTANCE UNIT	15/846471	

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1515US02	SYSTEMS AND METHODS FOR SORTING MECHANISMS AT A TERMINAL	15/850823	
1526US02	INVENTORY MONITORING SYSTEM AND ASSOCIATED METHODS	15/850814	
1527US02	INVENTORY MONITORING SYSTEM WITH VISUAL INDICATOR AND ASSOCIATED METHODS	15/849998	
1689US02	DETECTION SYSTEM FOR UNSAFE ACTIVITY AT A SHELVING UNIT	15/850797	
1735US02	TASK-INDICATING SHELF	15/849976	
1850US02	SHOPPING CART WITH STERILIZATION MECHANISM	15/849950	
092US04	SECURITY BYPASS ENVIRONMENT FOR CIRCUMVENTING A SECURITY APPLICATION IN A COMPUTING ENVIRONMENT	15/852404	
2168US01	DIGITAL WALLET MANAGEMENT SYSTEM	62/606395	
3147US01	CONTAINER DELIVERY SYSTEM	62/610454	
3498US01	SEAL PRINTING SYSTEM	62/610466	
1690US02	SYSTEM AND METHODS FOR IDENTIFYING POSITIONS OF PHYSICAL OBJECTS BASED ON SOUNDS	15/860096	
2323US01	SYSTEMS AND METHODS FOR DYNAMICALLY RE-ALLOCATING STORAGE CONTAINERS	62/613915	
1810US01	SYSTEMS AND METHODS FOR A ROUTING SYSTEM	15/866449	
4710US01	APPARATUS FOR SECURING A CAMERA TO A POINT-OF-SALE DEVICE	62/616305	
1621US02	SYSTEMS AND METHODS FOR DELIVERY VEHICLE MONITORING	15/869641	
1483US02	MOLD INHIBITING PACKAGE AND ASSOCIATED METHODS FOR FABRICATING AND PACKAGING	15/869458	
2715US01	SYSTEMS AND METHODS FOR KEY EXCHANGE IN BLOCKCHAIN	62/616803	
1823US02	SYSTEMS AND METHODS FOR MONITORING HOME INVENTORY	15/874066	
1525US02	SYSTEMS, DEVICES, AND METHODS FOR FORMING THREE-DIMENSIONAL PRODUCTS WITH EMBEDDED RFID ELEMENTS	15/876519	
2050US02	SYSTEMS, DEVICES, AND METHODS FOR LABEL-FREE SHIPPING	15/877073	
1832US02	PAINT MIXING SYSTEM	15/876939	
1868US02	ELECTRONIC SHELF-LABEL SYSTEM	15/876611	

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1635US02	VIRTUAL RETAIL SHOWROOM SYSTEM	15/877517	
1637US02	SYSTEMS AND METHODS FOR A VIRTUAL REALITY SHOWROOM WITH AUTONOMOUS STORAGE AND RETRIEVAL	15/877523	
1747US02	SYSTEM AND METHOD FOR ASSESSING WAIT TIMES IN A FACILITY	15/878051	
4723US01	CONVERTIBLE APPAREL RACK	62/620792	
1684US02	SHOPPING CART WITH AN RFID INTERFACE AND ASSOCIATED SYSTEMS AND METHODS	15/878799	
1685US02	SHOPPING CART AND ASSOCIATED SYSTEMS AND METHODS	15/878803	
1686US02	SHOPPING CART WITH AN RFID INTERFACE AND ASSOCIATED SYSTEMS AND METHODS	15/878807	
3014US03	SYSTEMS, DEVICES, AND METHODS FOR DETERMINING RELOCATION DESTINATIONS FOR DISTRIBUTED OBJECTS	15/878992	
3052US03	STORAGE CONTAINER WITH TEMPERATURE CONTROL	15/878763	
2119US02	INSULATED BAG ROLL SYSTEM	15/878775	
1687US02	SHOPPING CART WITH RFID AND BIOMETRIC COMPONENTS AND ASSOCIATED SYSTEMS AND METHODS	15/879589	
1636US02	A VOICE ACTIVATED ASSISTANCE SYSTEM	15/879684	
1641US02	VOICE ACTIVATED UNMANNED AERIAL VEHICLE (UAV) ASSISTANCE SYSTEM	15/879591	
1948US02	TEMPERATURE CONTROLLED-SHOPPING CART SYSTEM	15/879629	
1869US02	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS	15/880706	
1871US02	DISTRIBUTED AUTONOMOUS ROBOT INTERFACING SYSTEMS AND METHODS	15/880708	
1870US02	SYSTEMS AND METHODS FOR DISTRIBUTED AUTONOMOUS ROBOT INTERFACING USING LIVE IMAGE FEEDS	15/880713	
1872US02	DISTRIBUTED AUTONOMOUS ROBOT SYSTEMS AND METHODS WITH RFID TRACKING	15/880719	
1873US02	SYSTEMS AND METHODS FOR RESOLVING ISSUES IN A DISTRIBUTED AUTONOMOUS ROBOT SYSTEM	15/880722	

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1733US02	SYSTEM AND METHOD FOR LOCATING FIXTURES USING RF ANTENNAS	15/880733	
2049US02	AUTONOMOUS UAV RETRIEVAL SYSTEM	15/882084	
2056US02	LASER-GUIDED UAV DELIVERY SYSTEM	15/882100	
2059US02	TEMPERATURE-CONTROLLED UAV STORAGE SYSTEM	15/882116	
843US02	SYSTEMS AND METHODS FOR A SPECIALIZED COMPUTER FILE SYSTEM	15/882337	
947US02	SYSTEMS AND METHODS FOR DISPLAYING AN ITEM IN A SELECTED STORAGE LOCATION USING AUGMENTED REALITY	15/882658	
2158US02	SYSTEMS AND METHODS FOR INTEGRATING ORDERED SERVICES	15/882675	
2186US02	SYSTEMS AND METHODS FOR IDENTIFYING AND DISPLAYING OPTIMAL LOCATIONS FOR A GARDEN	15/882979	
1821US02	SYSTEMS AND METHODS FOR EMPLOYEE TIME RECORDING	15/883396	
2048US02	REFRIGERATED BLANKET FOR COLD PRODUCT TRANSPORT	15/883344	
1736US02	AUTOMATED SHELF SENSING SYSTEM	15/883362	
1391US02	UNMANNED AERIAL/GROUND VEHICLE (UAGV) DETECTION SYSTEM AND METHOD	15/883346	
186US04	MERCHANDISE EVENT MONITORING VIA WIRELESS TRACKING	15/885992	
2761US01	DISTRIBUTED SENSOR SYSTEMS AND METHODS FOR INVENTORY CONTROL	15/890999	
4474US01	DISTRIBUTED SENSOR SYSTEM AND METHOD FOR INVENTORY MANAGEMENT AND PREDICTIVE REPLENISHMENT	15/891005	