

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EXPRESS SCRIPTS, INC.	09/11/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EXPRESS SCRIPTS STRATEGIC DEVELOPMENT, INC.
<b>Street Address:</b>	ONE EXPRESS WAY
<b>City:</b>	ST. LOUIS
<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	63121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15946431
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(314)259-2020
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<b>ATTORNEY DOCKET NUMBER:</b>	ESRX-119US2 (0337906)
<b>NAME OF SUBMITTER:</b>	LUCINDA A. ALTHAUSER
<b>SIGNATURE:</b>	/Lucinda A. Althausen/
<b>DATE SIGNED:</b>	04/05/2018
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

WHEREAS, Express Scripts, Inc., a corporation duly organized under the laws of the State of Delaware, (hereinafter referred to as "Assignor"), having its principal office and place of business at One Express Way, St. Louis, Missouri 63121 is the sole owner of the entire right, title and interest in and to the listed patents and patent applications set forth in Schedule A attached hereto and in and to the inventions described therein; and

WHEREAS, Express Scripts Strategic Development, Inc., a corporation organized and existing under the laws of the State of New Jersey, with its principal office and place of business at One Express Way, St. Louis, Missouri 63121 (hereinafter referred to as "Assignee"), is desirous of acquiring the entire rights, titles and interests in and to the inventions, patents and patent applications set forth in Schedule A including any patents that may issue based on the pending applications; and

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN THAT, for good and valuable consideration paid by Assignee, the receipt and sufficiency of which is hereby acknowledged, Assignor by these presents does hereby assign, sell, transfer and set over to said Assignee, Assignor's entire rights, titles and interests in and to said inventions and in and to the patents and patent applications set forth in Schedule A, including any patents that may issue therefore and including any and all continuations, divisions, reissues, continuations-in-part, and reexamination, together with the right to file and obtain foreign patents and applications therefor, all of said rights to be held and enjoyed by Assignee for its own use and for the use of its legal representatives, successors and assigns, to the full end of the term or terms for which said patents may be granted as fully and entirely as the same would have been held and enjoyed



# ISSUED PATENTS

Client Reference	Title	Patent #	Issue Date
ESRX-010US1	SYSTEM AND METHOD FOR OPTIMIZING BENEFIT PLAN DESIGNS	7,376,574	05/20/2008
ESRX-022US1	PRESCRIPTION CREATION AND ADJUDICATION METHOD	8,099,295	01/17/2012
ESRX-023US1	CONTAINER CARRYING SYSTEM AND METHOD FOR USE IN AN AUTOMATED FILLING PROCESS	7,313,898	01/01/2008
ESRX-036US1	IDENTIFICATION OF SPECIALTY DRUGS	8,050,940	11/01/2011
ESRX-035US2	IDENTIFICATION OF SPECIALTY DRUGS	8,160,898	04/17/2012
ESRX-033US1	PHARMACEUTICAL PRICING METHOD	8,335,695	12/18/2012
ESRX-011US2	SYSTEM AND METHOD FOR BENEFIT COST PLAN ESTIMATION	8,185,413	05/22/2012
ESRX-011US3	SYSTEM AND METHOD FOR BENEFIT COST PLAN ESTIMATION	8,620,830	12/31/2013
ESRX-019US1	PRESCRIPTION ORDER PACKAGING SYSTEM AND METHOD	6,769,228	08/03/2004
ESRX-019US4	PRESCRIPTION ORDER PACKAGING SYSTEM AND METHOD	8,091,320	01/10/2012
ESRX-019US5	PRESCRIPTION ORDER PACKAGING SYSTEM AND METHOD	8,333,053	12/18/2012
ESRX-021US2	PRESCRIPTION BOTTLE IMAGING SYSTEM AND METHOD	7,995,831	08/09/2011
ESRX-021US3	PRESCRIPTION BOTTLE IMAGING SYSTEM AND METHOD	8,295,582	10/23/2012
ESRX-021US4	PRESCRIPTION BOTTLE IMAGING SYSTEM AND METHOD	8,571,297	10/29/2013
ESRX-033US1	CONTAINERS FOR TRANSFERRING PRODUCTS AND METHODS FOR THEIR TRANSFER	8,600,903	12/03/2013
ESRX-045US1	METHODS AND SYSTEMS FOR IMPROVING THERAPY ADHERENCE	8,666,926	03/04/2014
ESRX-045US2	METHODS AND SYSTEMS FOR MEMBER MESSAGING	8,799,204	08/05/2014
ESRX-051US1	SYSTEMS AND METHODS FOR FOLDING A STACK OF SUBSTRATE SHEETS	9,199,822	12/01/2015
ESRX-052US1	METHODS AND SYSTEMS FOR SCHEDULING ACTIVITY LEVEL BASED MEETINGS	8,682,704	03/25/2014
ESRX-053US1	METHODS AND SYSTEMS FOR DISEASE MANAGEMENT CARE COORDINATION	8,799,030	08/05/2014
ESRX-055US1	SYSTEMS AND METHODS FOR CAPPING	9,133,002	09/15/2015
ESRX-055US2	SYSTEMS AND METHODS FOR SORTING	8,731,711	05/20/2014
ESRX-055US3	SYSTEMS AND METHODS FOR MANUAL HANDLING	9,394,107	07/19/2016
ESRX-055US4	SYSTEMS AND METHODS FOR ACCUMULATION	9,242,751	01/26/2016
ESRX-055US5	SYSTEMS AND METHODS FOR SORTING	8,892,245	11/18/2014
ESRX-055US6	SYSTEMS AND METHODS FOR SORTING	8,977,386	03/10/2015
ESRX-056US1	SOLID CONTENTS VERIFICATION SYSTEMS AND METHODS	8,756,998	06/24/2014
ESRX-056US2	SOLID CONTENTS VERIFICATION SYSTEMS AND METHODS	9,513,259	12/06/2016
ESRX-058US1	METHODS AND SYSTEMS FOR PHARMACEUTICAL COMPOUNDING	8,851,127	10/07/2014
ESRX-059US1	METHODS AND SYSTEMS FOR PHARMACY LOCATION	8,706,522	04/22/2014
ESRX-062US1	METHODS AND SYSTEMS FOR TREATMENT REGIMEN MANAGEMENT	8,706,523	04/22/2014
ESRX-065US1	METHODS AND SYSTEMS FOR PROMOTING MOBILE AWARENESS	8,762,175	06/24/2014
ESRX-070US1	METHODS AND SYSTEMS FOR MANAGING DRUG USAGE	8,799,016	08/05/2014

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<u>Client Reference</u>	<u>Title</u>	<u>Patent #</u>	<u>Issue Date</u>
ESRX-071US1	METHODS AND SYSTEMS FOR MEDICAL HOME TESTING	8,801,628	08/12/2014
ESRX-073US1	METHODS AND SYSTEMS FOR DRUG PURCHASE VALIDATION	8,738,399	05/27/2014
ESRX-074US1	WEIGHT LOSS SYSTEMS AND METHODS	9,196,172	11/24/2015
ESRX-078US1	SYSTEMS AND METHODS FOR PHARMACY MESSAGING	8,786,650	07/22/2014
ESRX-078US2	SYSTEMS AND METHODS FOR PHARMACY MESSAGING	9,221,271	12/29/2015
ESRX-078US3	SYSTEMS AND METHODS FOR PHARMACY MESSAGING	9,636,927	05/02/2017
ESRX-100US1	METHODS AND SYSTEMS FOR ANALYZING SOFTWARE DEVELOPMENT RISKS	9,448,787	09/20/2016
ESRX-120US1	METHODS AND SYSTEMS FOR AUTOMATED PHARMACEUTICAL DISPENSING	9,697,335	07/04/2017
ESRX-121US1	SYSTEMS AND METHODS FOR MANUAL COUNTABLES	9,567,119	02/14/2017
ESRX-123US1	SYSTEMS AND METHODS FOR A CHECK / EXCEPTION STATION	9,639,668	05/02/2017
ESRX-126US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D774,540	12/20/2016
ESRX-126US2	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D790,586	06/27/2017
ESRX-127US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D752,085	03/22/2016
ESRX-128US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D754,679	04/26/2016
ESRX-128US2	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D776,683	01/17/2017
ESRX-128US3	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D776,684	01/17/2017
ESRX-128US4	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D776,685	01/17/2017
ESRX-128US5	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D776,686	01/17/2017
ESRX-129US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D773,518	12/06/2016
ESRX-129US2	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D791,166	07/04/2017
ESRX-133US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D791,796	07/11/2017
ESRX-134US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D791,797	07/11/2017
ESRX-136US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D791,798	07/11/2017
ESRX-138US1	DISPLAY WITH A COMPUTER ICON	D763,915	08/16/2016
ESRX-138US2	DISPLAY WITH COMPUTER ICON	D775,203	12/27/2016
ESRX-140US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D781,895	03/21/2017
ESRX-141US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	D786,282	05/09/2017
ESRX-142US1	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	D774,077	12/13/2016
ESRX-143US1	PAPER FEED SYSTEM AND METHOD	9,373,065	06/21/2016
ESRX-143US2	PAPER FEED SYSTEM AND METHOD	9,710,739	07/18/2017

**PATENT**

## PENDING APPLICATIONS

<u>Client Reference</u>	<u>Title</u>	<u>Filed Date</u>	<u>Serial #</u>	<u>Status</u>
ESRX-042US1	METHODS, SYSTEMS, AND TOOLS FOR USE IN PROCESSING PRESCRIPTIONS	06/30/2010	12/828,114	PENDING
ESRX-043US1	METHOD FOR PROMOTING HOME DELIVERY	09/01/2010	12/874,107	PENDING
ESRX-045US4	METHODS AND SYSTEMS FOR MEMBER MESSAGING	07/01/2014	14/320,721	PUBLISHED
ESRX-053US2	METHODS AND SYSTEMS FOR DISEASE MANAGEMENT CARE COORDINATION	07/01/2014	14/320,794	PUBLISHED
ESRX-055US7	SYSTEMS AND METHODS FOR CAPPING	07/15/2015	14/799,881	PUBLISHED
ESRX-055US8	SYSTEMS AND METHODS FOR ACCUMULATION	01/19/2016	15/000,395	PUBLISHED
ESRX-055US9	SYSTEMS AND METHODS FOR MANUAL HANDLING	07/05/2016	15/201,845	PUBLISHED
ESRX-056US3	SOLID CONTENTS VERIFICATION SYSTEMS AND METHODS	11/03/2016	15/342,547	PUBLISHED
ESRX-059US2	METHODS AND SYSTEMS FOR PHARMACY LOCATION	03/07/2014	14/200,628	PUBLISHED
ESRX-060US1	METHODS AND SYSTEMS FOR UNIT OF USE PRODUCT INVENTORY	09/14/2012	13/618,132	PENDING
ESRX-062US2	METHODS AND SYSTEMS FOR TREATMENT REGIMEN MANAGEMENT	03/07/2014	14/201,199	PUBLISHED
ESRX-064US1	METHODS AND SYSTEMS FOR PRESCRIPTION TRANSFER	11/18/2011	13/299,871	PENDING
ESRX-065US2	METHODS AND SYSTEMS FOR PROMOTING MOBILE AWARENESS	05/06/2014	14/271,443	PUBLISHED
ESRX-066US1	METHODS AND SYSTEMS FOR MANAGING PRESCRIPTION LIABILITY	12/12/2012	13/712,947	PUBLISHED
ESRX-067US1	METHODS AND SYSTEMS FOR MANAGING PRICING GUARANTEES	12/27/2011	13/337,649	PENDING
ESRX-068US1	METHODS AND SYSTEMS FOR GRAPHICAL MEDICINE DISPLAY	12/28/2011	13/338,770	PENDING
ESRX-069US1	METHODS AND SYSTEMS FOR CLAIM ADJUDICATION	12/28/2011	13/338,890	PENDING
ESRX-070US2	METHODS AND SYSTEMS FOR MANAGING DRUG USAGE	07/03/2014	14/323,477	PUBLISHED
ESRX-072US1	METHODS AND SYSTEMS FOR FULFILLING DRUG ORDERS	12/29/2011	13/340,318	PUBLISHED
ESRX-073US2	METHODS AND SYSTEMS FOR DRUG PURCHASE VALIDATION	04/08/2014	14/247,586	PUBLISHED
ESRX-075US1	METHODS AND SYSTEMS FOR VARIABLE PRESCRIPTION REIMBURSEMENT	02/28/2013	13/779,936	PENDING
ESRX-076US1	METHODS AND SYSTEMS FOR MAINTAINING PHARMACY PROVIDER NETWORKS	02/28/2013	13/780,073	PENDING
ESRX-079US1	METHODS AND SYSTEMS FOR PREFERRED PHARMACY DESIGNATION	03/08/2013	13/790,090	PENDING
ESRX-080US1	DRUG INTERACTION REVIEW METHODS AND SYSTEMS	03/26/2013	13/850,476	PENDING
ESRX-082US1	METHODS AND SYSTEMS FOR DETERMINING DRUG TREND AND DRUG INFLATION	04/10/2013	13/860,002	PENDING
ESRX-085US1	METHODS AND SYSTEMS FOR PREDICTING ADHERENCE TO MULTIPLE SCLEROSIS TREATMENT	08/19/2013	13/969,707	PENDING
ESRX-100US2	METHODS AND SYSTEMS FOR ANALYZING SOFTWARE DEVELOPMENT RISKS	08/26/2016	15/248,229	PUBLISHED
ESRX-106US1	SYSTEMS AND METHODS FOR INTEGRATING DATA	09/11/2014	14/484,176	PENDING
ESRX-109US1	METHODS AND SYSTEMS FOR PRESCRIPTION DRUG SHIPPING SELECTION	02/24/2015	14/630,373	PENDING
ESRX-111US1	SYSTEMS AND METHODS FOR PRESCRIPTION DRUG PACKAGING	10/02/2014	14/505,486	PUBLISHED
ESRX-112US1	SYSTEMS AND METHODS FOR MOSAIC RENDERING	01/22/2015	14/602,510	PUBLISHED
ESRX-115US1	SYSTEMS AND METHODS FOR IMPLEMENTING A PAY-FOR-PERFORMANCE NETWORK	02/02/2015	14/611,930	PENDING

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<u>Client Reference</u>	<u>Title</u>	<u>Filed Date</u>	<u>Serial #</u>	<u>Status</u>
ESRX-116US1	METHODS AND SYSTEMS FOR HEALTH PLAN PERFORMANCE EVALUATION	02/09/2015	14/617,802	PENDING
ESRX-118US1	METHODS AND SYSTEMS FOR PALLET SIZING AND PUCKING	07/13/2015	14/798,344	PENDING
ESRX-119US1	METHODS AND SYSTEMS FOR LABELING AND LOADING PHARMACEUTICAL CONTAINERS	10/20/2015	14/918,246	PENDING
ESRX-120US2	METHODS AND SYSTEMS FOR AUTOMATED PHARMACEUTICAL DISPENSING	05/31/2017	15/610,123	PENDING
ESRX-121US2	SYSTEMS AND METHODS FOR MANUAL COUNTABLES	01/17/2017	15/407,376	PUBLISHED
ESRX-122US1	SYSTEMS AND METHODS FOR CAPPING	05/07/2015	14/706,150	PENDING
ESRX-123US2	SYSTEMS AND METHODS FOR A CHECK / EXCEPTION STATION	03/29/2017	15/472,738	PENDING
ESRX-124US1	SYSTEMS AND METHODS FOR PRESCRIPTION CONTAINER SHIPPING	10/20/2015	14/887,730	PUBLISHED
ESRX-125US1	SYSTEMS AND METHODS FOR A UNIT-OF-USE WRAP SEAL PACKING STATION	07/19/2015	14/803,101	PUBLISHED
ESRX-135US1	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	09/11/2014	29/502,121	PENDING
ESRX-142US2	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	10/31/2016	29/582,762	PENDING
ESRX-143US3	PAPER FEED SYSTEM AND METHOD	06/05/2017	15/613,547	PENDING
ESRX-150US1	BOTTLE CAP	01/04/2016	29/550,485	PENDING
ESRX-151US1	MAIL MANIFEST SYSTEMS AND METHODS	11/22/2016	15/358,260	PENDING
ESRX-152US1	METHODS AND SYSTEMS FOR TAILING COLLECTION	01/12/2017	15/404,425	PENDING
ESRX-153US1	METHODS AND SYSTEMS FOR COLLECTING PHARMACEUTICAL CONTAINERS	02/16/2017	15/434,825	PENDING
ESRX-165US1	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	09/21/2016	29/578,364	PENDING
ESRX-166US1	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	09/21/2016	29/578,385	PENDING
ESRX-114US1	METHODS AND SYSTEMS FOR PHARMACY MODELING	02/02/2015	14/612,005	PENDING
ESRX-114US2	METHODS AND SYSTEMS FOR PHARMACY MODELING	08/04/2017	15/669,741	PENDING
ESRX-106US2	SYSTEMS AND METHODS FOR INTEGRATING DATA	08/23/2017	15/684,927	PENDING

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