

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7576072

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BANK OF AMERICA, N.A.	10/03/2022
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CHANGE HEALTHCARE RESOURCES, LLC (FORMERLY KNOWN AS ALTEGRA HEALTH OPERATING COMPANY LLC)	
<b>Street Address:</b>	9900 BREN ROAD EAST	
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED	
<b>City:</b>	MINNETONKA	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55343	
<b>Name:</b>	CHANGE HEALTHCARE SOLUTIONS, LLC	
<b>Street Address:</b>	9900 BREN ROAD EAST	
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED	
<b>City:</b>	MINNETONKA	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55343	
<b>Name:</b>	CHANGE HEALTHCARE PERFORMANCE, INC. (FORMERLY KNOWN AS CHANGE HEALTHCARE, INC.)	
<b>Street Address:</b>	9900 BREN ROAD EAST	
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED	
<b>City:</b>	MINNETONKA	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55343	
<b>Name:</b>	CHANGE HEALTHCARE OPERATIONS, LLC	
<b>Street Address:</b>	9900 BREN ROAD EAST	
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED	
<b>City:</b>	MINNETONKA	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55343	
<b>Name:</b>	CHANGE HEALTHCARE HOLDINGS, INC.	
<b>Street Address:</b>	9900 BREN ROAD EAST	
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED	

PATENT

<b>City:</b>	MINNETONKA
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55343
<b>Name:</b>	CHANGE HEALTHCARE TECHNOLOGIES, LLC (FORMERLY KNOWN AS MCKESSON TECHNOLOGIES LLC)
<b>Street Address:</b>	9900 BREN ROAD EAST
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED
<b>City:</b>	MINNETONKA
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55343
<b>Name:</b>	CHANGE HEALTHCARE HOLDINGS, LLC
<b>Street Address:</b>	9900 BREN ROAD EAST
<b>Internal Address:</b>	C/O UNITEDHEALTH GROUP INCORPORATED
<b>City:</b>	MINNETONKA
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55343

**PROPERTY NUMBERS Total: 182**

<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7519163
<b>Patent Number:</b>	8306829
<b>Patent Number:</b>	8700427
<b>Patent Number:</b>	8229770
<b>Patent Number:</b>	7873528
<b>Application Number:</b>	14800879
<b>Patent Number:</b>	8645162
<b>Patent Number:</b>	6049794
<b>Patent Number:</b>	6353817
<b>Patent Number:</b>	6516353
<b>Patent Number:</b>	6408303
<b>Patent Number:</b>	7809584
<b>Patent Number:</b>	6757898
<b>Application Number:</b>	11943355
<b>Application Number:</b>	11943388
<b>Patent Number:</b>	8654139
<b>Patent Number:</b>	8520978
<b>Application Number:</b>	13434959
<b>Application Number:</b>	12262714
<b>Patent Number:</b>	9269117
<b>Application Number:</b>	14994823

Property Type	Number
Patent Number:	8181187
Patent Number:	8402062
Patent Number:	8768967
Patent Number:	7792793
Application Number:	12036291
Patent Number:	9342320
Application Number:	12560107
Patent Number:	9002863
Patent Number:	8527297
Application Number:	12611594
Application Number:	12631356
Patent Number:	8984142
Patent Number:	8645299
Patent Number:	8424010
Application Number:	12691240
Patent Number:	9202007
Application Number:	12715633
Patent Number:	8832079
Patent Number:	8335821
Patent Number:	8583730
Patent Number:	8384566
Patent Number:	8432301
Patent Number:	7752178
Application Number:	11955203
Application Number:	12035478
Patent Number:	7720697
Patent Number:	8521315
Patent Number:	8799009
Patent Number:	9052976
Patent Number:	8327020
Patent Number:	8522241
Patent Number:	9104486
Patent Number:	8429448
Application Number:	12947425
Application Number:	13031476
Patent Number:	8941600
Patent Number:	8816964
Patent Number:	8896619

Property Type	Number
Application Number:	13044164
Application Number:	13189166
Application Number:	13077156
Patent Number:	8843623
Application Number:	13074892
Patent Number:	9116609
Patent Number:	8907966
Patent Number:	8862641
Patent Number:	9235688
Patent Number:	8417043
Patent Number:	8671092
Application Number:	13076635
Patent Number:	8422770
Application Number:	13172340
Patent Number:	8566117
Patent Number:	9046933
Application Number:	13172262
Patent Number:	8781187
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Patent Number:	8401285
Patent Number:	9411931
Patent Number:	8837837
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Patent Number:	8639664
Application Number:	13434918
Patent Number:	8805900
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Patent Number:	9292197
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Application Number:	15008584
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Application Number:	15040265
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Patent Number:	9003093
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Patent Number:	9049245
Application Number:	13652176

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Application Number:	13692384
Application Number:	13571059
Application Number:	13571112
Application Number:	13612285
Patent Number:	8869174
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Application Number:	13690978
Patent Number:	9095315
Application Number:	13852716
Application Number:	13852782
Application Number:	13852745
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Application Number:	13854062
Application Number:	13854061
Application Number:	14183998
Application Number:	14184076
Application Number:	14450883
Application Number:	14231382
Application Number:	13800406
Application Number:	13739884
Application Number:	13920625
Application Number:	13851519
Patent Number:	9292655
Application Number:	14032791
Application Number:	14031282
Application Number:	13792688
Application Number:	13852374
Application Number:	13836318
Application Number:	13796520
Application Number:	13835927
Application Number:	13966799
Application Number:	14217896
Application Number:	14012636
Application Number:	14010573
Application Number:	14229175
Application Number:	14228742
Application Number:	14229331
Application Number:	14228779

Property Type	Number
Application Number:	14450910
Application Number:	14227768
Application Number:	14192242
Application Number:	14227382
Application Number:	14106898
Patent Number:	9430338
Application Number:	14186220
Application Number:	14230160
Application Number:	14553217
Application Number:	14149334
Application Number:	14228902
Application Number:	14447083
Application Number:	14529423
Application Number:	14473068
Application Number:	14324429
Application Number:	14674692
Patent Number:	9454814
Application Number:	14673949
Application Number:	14673920
Application Number:	14673971
Application Number:	14591033
Application Number:	14671113
Application Number:	14612880
Application Number:	14670812
Application Number:	14674366
Application Number:	14674256
Application Number:	14674059
Application Number:	15086176
Application Number:	14671031
Application Number:	14828880
Patent Number:	9459843
Application Number:	15001973
Application Number:	15076071
Application Number:	14821285
Application Number:	15080668
Application Number:	15086379
Application Number:	15086725
Application Number:	15085526

Property Type	Number
Application Number:	62316296
Application Number:	15084962
Application Number:	15073236
Application Number:	15071611
Application Number:	15062791
Application Number:	15086526
Application Number:	15086155
Application Number:	15086633
Application Number:	15355656

#### CORRESPONDENCE DATA

**Fax Number:** (212)291-9868

*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.*

**Phone:** (212) 558-4229

**Email:** demarcor@sullcrom.com, nguyenb@sullcrom.com

**Correspondent Name:** RAFFAELE A. DEMARCO

**Address Line 1:** 125 BROAD STREET

**Address Line 2:** SULLIVAN & CROMWELL LLP

**Address Line 4:** NEW YORK, NEW YORK 10004-2498

<b>ATTORNEY DOCKET NUMBER:</b>	017093.00038 (RAD)
<b>NAME OF SUBMITTER:</b>	RAFFAELE A. DEMARCO
<b>SIGNATURE:</b>	/Raffaele A. DeMarco/
<b>DATE SIGNED:</b>	10/04/2022

#### Total Attachments: 17

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## **TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS**

This TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of October 3, 2022 (the “Effective Date”), is made by Bank of America, N.A., in its capacity as Collateral Agent (the “Agent”), in favor of Change Healthcare Resources, LLC (formerly known as Altegra Health Operating Company LLC), a Delaware limited liability company, Change Healthcare Solutions, LLC, a Delaware limited liability company, Change Healthcare Performance, Inc. (formerly known as Change Healthcare, Inc.), a Delaware corporation, Change Healthcare Operations, LLC, a Delaware limited liability company, Change Healthcare Holdings, Inc., a Delaware corporation, Change Healthcare Technologies, LLC (formerly known as McKesson Technologies LLC), a Delaware limited liability company, and Change Healthcare Holdings, LLC, a Delaware limited liability company (each individually, a “Grantor”, and, collectively, the “Grantors”). All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement (as defined below) or the Patent Security Agreement (as defined below), as applicable.

WHEREAS, pursuant to that certain Security Agreement, dated as of March 1, 2017, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), the Grantors granted to the Agent, in its capacity as Agent, a security interest in and to certain Collateral, including Patents;

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered a Patent Security Agreement, dated as of March 1, 2017 (the “Patent Security Agreement”), which was recorded with the United States Patent and Trademark Office on March 2, 2017 at Reel/Frame 041858/0482, pursuant to which each Grantor pledged and granted to the Agent a lien on and security interest in and to all of its right, title and interest in, to and under all registered Patents and Patents with respect to which applications for registration are pending of such Grantor listed on Schedule 1 attached hereto, in each case, excluding any Excluded Assets (collectively, the “Patent Collateral”);

WHEREAS, the Patent Security Agreement was supplemented by that certain Release of Security Interest in Specified Patents, dated as of December 2, 2020, which was recorded with the United States Patent and Trademark Office on February 26, 2021 at Reel/Frame 055431/0960; and

WHEREAS, the Agent wishes to release, discharge, terminate and cancel all liens and security interests created by the Patent Security Agreement in and to the Patent Collateral, restore all right, title and interest in and to the Patent Collateral to the Grantors and terminate the Patent Security Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Release. The Agent hereby irrevocably releases, discharges, terminates and cancels any and all liens and security interests it has in and to the Patent Collateral arising under the Security Agreement and the Patent Security Agreement, and any right, title or interest of the Agent in the Patent Collateral shall hereby cease and become void. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Security Agreement or Patent Security Agreement, as applicable, the Agent, without representation or warranty of any kind, hereby irrevocably transfers, conveys and assigns such right, title or interest to the Grantors.

2. Termination. The Agent hereby irrevocably terminates and cancels the Patent Security Agreement.



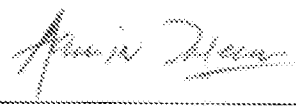
3. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and their successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors' sole cost and expense, to more fully and effectively effectuate the purposes of this Release. The Agent hereby authorizes and requests that the Commissioner for Patents of the United States Patent and Trademark Office record this Release.

4. Governing Law. This Release, and all disputes between the parties under or relating to this Release, shall be governed exclusively under the laws of New York, without regard to conflicts of law or choice of law principles.

5. Counterparts. This Release may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Release by facsimile or other electronic imaging (including in .pdf format) means shall be effective as delivery of a manually executed counterpart of this Release. This Release may be in the form of an Electronic Record (as defined in 15 USC §7006, as it may be amended from time to time) and may be executed using Electronic Signatures (as defined in 15 USC §7006, as it may be amended from time to time) (including, without limitation, facsimile and .pdf) and shall be considered an original, and shall have the same legal effect, validity and enforceability as a paper record. For the avoidance of doubt, the authorization under this paragraph may include, without limitation, use or acceptance by the parties hereto of a manually signed paper counterpart to this Release which has been converted into electronic form (such as scanned into PDF format), or an electronically signed counterpart to this Release converted into another format, for transmission, delivery and/or retention.

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

**BANK OF AMERICA, N.A., acting in its  
capacity as Agent for the Lenders**

By:  \_\_\_\_\_

Name:

Title:

**Aamir Saleem  
Vice President**

*[Signature Page to Patent Release]*

**PATENT  
REEL: 061620 FRAME: 0063**

## SCHEDULE 1

Release of Patent Security Agreement recorded 03/02/2017 at Reel 041858 / Frame 0482

#	Patent	Status	App./Reg. No.	Owner/Applicant
1.	Multichannel Content Personalization System And Method	Issued	11/430,523 7,519,163	Altegra Health Operating Company LLC (f/k/a Altegra Health Operating Company)
2.	Method For Determining Eligibility For An Assistance Program	Issued	09/930,668 8,306,829	Change Healthcare Solutions, LLC (f/k/a Chamberlin Edmonds & Associates)
3.	Web-Based System And Method For Healthcare Cost Management	Issued	13/353,999 8,700,427	Change Healthcare, Inc.
4.	Healthcare Claims Loss Control Systems And Methods	Issued	13/006,927 8,229,770	Change Healthcare Operations, LLC (f/k/a Emdeon Business Services LLC)
5.	Healthcare Claims Loss Control Systems And Methods	Issued	11/426,527 7,873,528	Change Healthcare Operations, LLC (f/k/a Emdeon Business Services LLC)
6.	Methods And Systems For Managing Health Care Information And Delivery Of Health Care Services	Pending	14/800,879	Change Healthcare Holdings, Inc. (f/k/a Emdeon, Inc.)
7.	Method And System For Estimating The Financial Liability Of A Patient For A Medical Service	Issued	11/742,277 8,645,162	Change Healthcare Solutions, LLC (f/k/a Envoy LLC)
8.	System for screening of medical decision making incorporating a knowledge base	Granted	8988368/ 6049794	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
9.	Multi-user system for creating and maintaining a medical-decision-making knowledge base	Granted	9105951/ 6353817	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
10.	System and method for interactive EDI transactions	Granted	9285371/ 6516353	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
11.	System and method for automated building of a trading partner profile	Granted	9348000/ 6408303	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)

#	Patent	Status	App./Reg. No.	Owner/Applicant
12.	Message and program system supporting communication	Granted	11526205/ 7809584	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
13.	Electronic provider--patient interface system	Granted	9484550/ 6757898	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
14.	Case Management for Image-Based Training, Decision Support, and Consultation	Marked for Abandonment	11943355	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
15.	Interactive viewing, asynchronous retrieval, and annotation of medical images	Published	11943388	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
16.	Methods and Systems to Transmit, View, and Manipulate medical Images in a General Purpose Viewing Agent	Granted	12201417/ 8654139	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
17.	Methods, Computer Program Products, Apparatuses, and Systems for Facilitating Viewing and Manipulation of an Image on a Client Device	Granted	12262668/ 8520978	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
18.	Methods, Computer Program Products, Apparatuses, and Systems to Accommodate Decision Support and Reference Case Management for Diagnostic Imaging	Marked for Abandonment	13434959	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
19.	Methods, computer program products, apparatuses, and systems for interacting with medical data objects	Published	12262714	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
20.	Enterprise management system	Granted	11430753/ 9269117	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
21.	Enterprise management system	Pending	14994823	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
22.	Gateways Having Localized In Memory Databases And Business Logic Execution	Granted	11566073/ 8181187	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
23.	Data Export/Import From Multiple Data Source To A Destination Data Repository Using Corresponding Data Exporters And An Importer	Granted	12876806/ 8402062	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)

#	Patent	Status	App./Reg. No.	Owner/Applicant
24.	Data Export/Import From Multiple Data Source To A Destination Data Repository Using Corresponding Data Exporters And An Importer	Granted	13779641/ 8768967	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
25.	Data Export/Import From Multiple Data Source To A Destination Data Repository Using Corresponding Data Exporters And An Importer	Granted	11739512/ 7792793	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
26.	Software System for Providing Access Via Pop-Up Windows to Medical Test Results and Information Relating Thereto	Abandoned	12036291	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
27.	Method for Facilitating Cooperative Interaction between Software Applications	Granted	12122641/ 9342320	McKesson Technologies LLC (f/k/a McKesson Technologies Inc.)
28.	Method, Apparatus And Computer Program Product For Providing A Distributed Registration Manager	Abandoned	12560107	Change Healthcare Holdings, LLC
29.	Method, Apparatus And Computer Program Product For Providing A Rational Range Test For Data Translation	Granted	12568414/ 9002863	Change Healthcare Holdings, LLC
30.	Methods, Apparatuses, And Computer Program Products For Facilitating Co-Morbid Care Management	Granted	12568908/ 8527297	Change Healthcare Holdings, LLC
31.	Apparatus, Method And Computer-Readable Storage Mediums For Detecting A Region Of Interest In A Medical Image	Abandoned	12611594	Change Healthcare Holdings, LLC
32.	Methods, Apparatuses, And Computer Program Products For Facilitating Development And Execution Of A Clinical Care Plan	Abandoned	12631356	Change Healthcare Holdings, LLC
33.	Methods, Apparatuses & Computer Program Products For Facilitating Remote Session Pooling	Granted	12650142/ 8984142	Change Healthcare Holdings, LLC
34.	Method, Apparatus And Computer Program Product For Context Based Tagging Of Data	Granted	12650785/ 8645299	Change Healthcare Holdings, LLC
35.	Shared Resource Management	Granted	12690962/ 8424010	Change Healthcare Holdings, LLC

#	Patent	Status	App./Reg. No.	Owner/Applicant
36.	Methods, Apparatuses And Computer Program Products For Facilitating Progressive Display Of Multi-Planar Reconstructions	Published	12691240	Change Healthcare Holdings, LLC
37.	Method, Apparatus And Computer Program Product For Providing Documentation And/Or Annotation Capabilities For Volumetric Data	Granted	12691294/ 9202007	Change Healthcare Holdings, LLC
38.	Method, Apparatus And Computer Program Product For Providing A Distributed Care Planning Tool	Published	12715633	Change Healthcare Holdings, LLC
39.	Methods, Apparatuses, And Computer Program Products For Facilitating Searching	Granted	12754399/ 8832079	Change Healthcare Holdings, LLC
40.	Method And Apparatus For Providing In-Band Client Telemetry Data	Granted	12781371/ 8335821	Change Healthcare Holdings, LLC
41.	Method And Apparatus For Providing In-Band Client Telemetry Data	Granted	13654815/ 8583730	Change Healthcare Holdings, LLC
42.	Pressure-Sensitive Keyboard And Associated Method Of Operation	Granted	12783376/ 8384566	Change Healthcare Holdings, LLC
43.	Gesture-Enabled Keyboard and Associated Apparatus and Computer-Readable Storage Medium	Granted	12853958/ 8432301	Change Healthcare Holdings, LLC
44.	Method to indicate context synchronization of applications on a computer desktop	Granted	11215479/ 7752178	Change Healthcare Holdings, LLC
45.	Methods, apparatuses & computer program products for facilitating efficient distribution of data within a system	Published	11955203	Change Healthcare Holdings, LLC
46.	System, method and computer program product for performing automatic surveillance and tracking of adverse events	Published	12035478	Change Healthcare Holdings, LLC
47.	Systems and methods for pharmacy claims-based condition identification proxies	Granted	12200441/ 7720697	Change Healthcare Holdings, LLC
48.	Apparatuses, methods and computer-readable storage mediums for browsing and selecting a multimedia object	Granted	12626397/ 8521315	Change Healthcare Holdings, LLC

#	Patent	Status	App./Reg. No.	Owner/Applicant
49.	Systems, Methods And Apparatuses For Predicting Capacity Of Resources In An Institution	Granted	12363954/ 8799009	Change Healthcare Holdings, LLC
50.	Methods, Apparatuses & Computer Program Products For Facilitating Efficient Deployment of Software	Granted	12941795/ 9052976	Change Healthcare Holdings, LLC
51.	Systems and Methods for Healthcare Transaction Routing with Destination-based Throttling	Granted	12893546/ 8327020	Change Healthcare Holdings, LLC
52.	Systems and Methods for Auto-Balancing of Throughput in a Real-Time Event-Driven System	Granted	12893693/ 8522241	Change Healthcare Holdings, LLC
53.	Apparatuses, Systems, and Methods for Distributed Workload Serialization	Granted	13291291/ 9104486	Change Healthcare Holdings, LLC
54.	Systems And Methods For Dynamic Transaction Migration In An Event-Driven, Multi-Silo Architecture	Granted	12965511/ 8429448	Change Healthcare Holdings, LLC
55.	Method, Apparatus and Computer Program Product for Utilizing Dynamically Defined Java Implementations for Creation of an Efficient Typed Storage	Abandoned	12947425	Change Healthcare Holdings, LLC
56.	Reassigning worker profiles to units of work	Abandoned	13031476	Change Healthcare Holdings, LLC
57.	Apparatus for Providing Touch Feedback for User Input to a Touch-Sensitive Surface	Granted	13034008/ 8941600	Change Healthcare Holdings, LLC
58.	Sensor-Augmented, Gesture-Enabled Keyboard and Associated Apparatus and Computer-Readable Storage Medium	Granted	13009478/ 8816964	Change Healthcare Holdings, LLC
59.	Apparatus, Method And Computer-Readable Storage Medium For Compensating For Image-Quality Discrepancies	Granted	13044122/ 8896619	Change Healthcare Holdings, LLC
60.	Apparatus, method and computer-readable storage medium for searching patient studies	Published	13044164	Change Healthcare Holdings, LLC
61.	Point-Of-Care Decision Support Driven Auto-Adjudication System, And Associated Method And Computer-Readable Storage Medium	Published	13189166	Change Healthcare Holdings, LLC

#	Patent	Status	App./Reg. No.	Owner/Applicant
62.	Displaying of relevant quality measures based on diagnoses	Abandoned	13077156	Change Healthcare Holdings, LLC
63.	Methods, Apparatuses, and Computer Program Products for Automated Remote Data Collection	Granted	13407485/ 8843623	Change Healthcare Holdings, LLC
64.	Methods, Apparatuses And Computer Program Products For Generating Aggregated Health Care Summaries	Published	13074892	Change Healthcare Holdings, LLC
65.	Methods, Apparatuses and Computer Program Products for Generating Regions of Interest Using Gestures Via a User Interface	Granted	13075626/ 9116609	Change Healthcare Holdings, LLC
66.	Methods, Apparatuses and Computer Program Products for Providing Adaptive Rendering Quality Degradation	Granted	13075593/ 8907966	Change Healthcare Holdings, LLC
67.	Apparatus, Method and Computer-Readable Storage Mediums for Clustering and Ranking a List of Multimedia Objects	Granted	13075888/ 8862641	Change Healthcare Holdings, LLC
68.	Apparatus, Method and Computer-Readable Storage Mediums for Acknowledging Receipt of a Higher-Priority Multimedia Object	Granted	13075922/ 9235688	Change Healthcare Holdings, LLC
69.	Method and System Server for storing, transferring and displaying medical images utilizing JPEG XR	Granted	13075495/ 8417043	Change Healthcare Holdings, LLC
70.	Apparatus, Method and Computer-Readable Storage Medium for Retrieving Data from a Data Source	Granted	13075728/ 8671092	Change Healthcare Holdings, LLC
71.	Systems and Methods for Providing Enterprise Visual Communications Services	Published	13076635	Change Healthcare Holdings, LLC
72.	Method, Apparatus and Computer Program Product for Displaying Normalized Medical Images	Granted	13075547/ 8422770	Change Healthcare Holdings, LLC
73.	Systems, Methods Apparatuses, and Computer Program Products for Providing Network-Accessible Patient Health Records	Abandoned	13172340	Change Healthcare Holdings, LLC
74.	Systems and Methods for Facilitating Healthcare Provider Enrollment with One or More Payers	Granted	13173985/ 8566117	Change Healthcare Holdings, LLC



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75.	Displaying Three-Dimensional Image Data	Granted	13185760/ 9046933	Change Healthcare Holdings, LLC
76.	Method And Apparatus For Migrating Between Devices While Interacting With A Healthcare Application	Abandoned	13172262	Change Healthcare Holdings, LLC
77.	Methods, Apparatuses, and Computer Program Products for Identifying a Region of Interest Within a Mammogram Image	Granted	13182055/ 8781187	Change Healthcare Holdings, LLC
78.	Methods, Apparatuses, And Computer Program Products For Identifying A Region Of Interest Within A Mammogram Image	Granted	14317353/ 9058650	Change Healthcare Holdings, LLC
79.	Methods, Apparatuses, And Computer Program Products For Controlling Luminance Of Non-Tissue Objects Within An Image	Granted	13233656/ 8401285	Change Healthcare Holdings, LLC
80.	Method, Apparatus and Computer Program Product for Receiving Digital Data Files	Granted	13354912/ 9411931	Change Healthcare Holdings, LLC
81.	Methods, Apparatuses, And Computer Program Products for Determining a Modulation Transfer Function of an Imaging System	Granted	13340869/ 8837837	Change Healthcare Holdings, LLC
82.	Method And Apparatus For Providing Virtual Device Planning	Published	13757980	Change Healthcare Holdings, LLC
83.	Concepts For Viewing And Accessing Versions	Granted	13434367/ 8639664	Change Healthcare Holdings, LLC
84.	Concepts For Viewing And Accessing Claim Versions	Published	13434918	Change Healthcare Holdings, LLC
85.	Methods, Apparatuses and Computer Program Products for Facilitating Location and Retrieval of Health Information in a Healthcare System	Granted	13436176/ 8805900	Change Healthcare Holdings, LLC
86.	Methods, Apparatuses And Computer Program Products For Facilitating Location and Retrieval of Health Information in a Healthcare System	Granted	14321325/ 9268906	Change Healthcare Holdings, LLC
87.	Method, apparatus and computer program product for facilitating the manipulation of medical images	Granted	13435903/ 9292197	Change Healthcare Holdings, LLC

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88.	Data-driven concepts for processing claims	Published	13435119	Change Healthcare Holdings, LLC
89.	Data-driven concepts for processing claims	Pending	15008584	Change Healthcare Holdings, LLC
90.	Data-driven concepts for processing claims	Pending	15040224	Change Healthcare Holdings, LLC
91.	Data-driven concepts for processing claims	Pending	15040265	Change Healthcare Holdings, LLC
92.	Transcription Method, Apparatus and Computer Program Product	Published	13538671	Change Healthcare Holdings, LLC
93.	Apparatus For Providing A Tablet Case For Touch-Sensitive Devices	Published	13687674	Change Healthcare Holdings, LLC
94.	Connector Apparatus and Associated Method for Bridging Data Between Data Sources and Data Targets	Granted	13606338/ 9003093	Change Healthcare Holdings, LLC
95.	Method And Apparatus For Facilitating Remote Health Monitoring Of A Computerized Healthcare System	Granted	13835902/ 9426051	Change Healthcare Holdings, LLC
96.	Method And Apparatus For Flexibly Converting And Routing Data Between Disparate Systems	Granted	13661893/ 9049245	Change Healthcare Holdings, LLC
97.	Systems and Methods for Medical Treatment Plan Verification and Implementation Compliance	Abandoned	13652176	Change Healthcare Holdings, LLC
98.	Method and Apparatus for Remote Workstation Synchronization	Published	13692384	Change Healthcare Holdings, LLC
99.	Method, Apparatus, and Computer Program Product for Versioning Electronic Health Records	Abandoned	13571059	Change Healthcare Holdings, LLC
100.	Method, Apparatus, and Computer Program Product for Interfacing with an Unidentified Health Information Technology System	Marked for Abandonment	13571112	Change Healthcare Holdings, LLC
101.	Method and Apparatus for Providing a Cross-Device Macro Framework	Published	13612285	Change Healthcare Holdings, LLC
102.	Method and Apparatus For Providing Context Aware Logging	Granted	13705869/ 8869174	Change Healthcare Holdings, LLC
103.	Method and Apparatus for Interpreting Sensor Input	Published	13719829	Change Healthcare Holdings, LLC

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104.	Method and Apparatus For Enhancing Medical Images	Published	13690978	Change Healthcare Holdings, LLC
105.	Method and Apparatus Integrating Clinical Data With The Review Of Medical Images	Granted	13836666/ 9095315	Change Healthcare Holdings, LLC
106.	Method And Apparatus For Sharing Health Information In Accordance With Data Sharing Rules	Published	13852716	Change Healthcare Holdings, LLC
107.	Method And Apparatus For Associating Patient Identifiers Utilizing Principal Component Analysis	Published	13852782	Change Healthcare Holdings, LLC
108.	Method And Apparatus For Permitting Patient Definition Of Consent And Sharing Rules	Published	13852745	Change Healthcare Holdings, LLC
109.	And Apparatus For Providing An Integrated Display Of Clinical Data	Published	13827315	Change Healthcare Holdings, LLC
110.	Method And Apparatus For Delaying Propagation Of Patient Healthcare Data	Abandoned	13854062	Change Healthcare Holdings, LLC
111.	Method And Apparatus For Mapping Message Data	Published	13854061	Change Healthcare Holdings, LLC
112.	Method and Apparatus For Displaying One or More Waveforms	Published	14183998	Change Healthcare Holdings, LLC
113.	Method and Apparatus For Displaying One or More Waveforms	Published	14184076	Change Healthcare Holdings, LLC
114.	Method and Apparatus for Defining a Level of Assurance in a Link Between Patient Records	Pending	14450883	Change Healthcare Holdings, LLC
115.	Method and Apparatus for Providing A Presentation Model for an Exercise	Published	14231382	Change Healthcare Holdings, LLC
116.	Method And Apparatus For Providing Improved Searching of Medical Records	Published	13800406	Change Healthcare Holdings, LLC
117.	Systems and Methods for Providing Emergency Alerts on a Geospatial Display	Abandoned	13739884	Change Healthcare Holdings, LLC
118.	Method and Apparatus for Implementing Dynamic Database Traversal	Published	13920625	Change Healthcare Holdings, LLC
119.	Method And Apparatus For Adaptive Prefetching Of Medical Data	Published	13851519	Change Healthcare Holdings, LLC

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120.	Method and Computing System for Providing an Interface Between an Imaging System and Reporting System	Granted	13953216/ 9292655	Change Healthcare Holdings, LLC
121.	Method and Apparatus for Detecting Anatomical Elements	Published	14032791	Change Healthcare Holdings, LLC
122.	Method and Apparatus for Providing Touch Input Via a Touch Sensitive Surface Utilizing a Support Object	Published	14031282	Change Healthcare Holdings, LLC
123.	Method And Apparatus For Generating Proxy Eligibility Data	Marked for Abandonment	13792688	Change Healthcare Holdings, LLC
124.	Method And Apparatus For Clinically Dynamic Call Center Management	Abandoned	13852374	Change Healthcare Holdings, LLC
125.	Method and Apparatus for Selectively Deleting Cached Records	Granted	13836318	Change Healthcare Holdings, LLC
126.	Method and Apparatus for Retrieving Cached Database Search Results	Published	13796520	Change Healthcare Holdings, LLC
127.	Method And Apparatus For Providing A Component Block Architecture	Abandoned	13835927	Change Healthcare Holdings, LLC
128.	Systems and Methods for Allocating Payments Across Multiple Healthcare Accounts	Marked for Abandonment	13966799	Change Healthcare Holdings, LLC
129.	Method And Apparatus For Configuring A Task List	Published	14217896	Change Healthcare Holdings, LLC
130.	Method and Apparatus for Generating Health Quality Metrics	Abandoned	14012636	Change Healthcare Holdings, LLC
131.	Methods, Apparatuses, and Computer Program Products for Application Interaction	Published	14010573	Change Healthcare Holdings, LLC
132.	Method And Apparatus For Aggregating Healthcare Information Technical Field	Published	14229175	Change Healthcare Holdings, LLC
133.	Method And Apparatus For Managing Allocation Of Communication Resources	Published	14228742	Change Healthcare Holdings, LLC
134.	Method and Computing Device for Identifying a Pixel Visibility Loss Condition	Published	14229331	Change Healthcare Holdings, LLC

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135.	Method and Computing Device for Window Leveling Based Upon a Gaze Location	Published	14228779	Change Healthcare Holdings, LLC
136.	Method and Apparatus for Identifying Matching Record Candidates	Pending	14450910	Change Healthcare Holdings, LLC
137.	Systems and Methods for Secure Life Cycle Tracking and Management of Healthcare Related Information	Published	14227768	Change Healthcare Holdings, LLC
138.	Method And Apparatus For Displaying A Portion Of A Waveform	Published	14192242	Change Healthcare Holdings, LLC
139.	Apparatus, Method and Computer-Readable Storage Medium for Transforming Digital Images	Published	14227382	Change Healthcare Holdings, LLC
140.	Method, Apparatus, and Computer Program Product for Creating Logical Units	Marked for Abandonment	14106898	Change Healthcare Holdings, LLC
141.	Method And Computing Device For Recording Log Entries	Granted	14168632/ 9430338	Change Healthcare Holdings, LLC
142.	Method and Apparatus for Quantifying Record Similarity	Pending	14186220	Change Healthcare Holdings, LLC
143.	Generating Healthcare Provider Productivity Data Based on Healthcare Claim Transaction Data	Pending	14230160	Change Healthcare Holdings, LLC
144.	Method and Apparatus for Utilizing Task Value for Imaging Interpretation and Other Tasks	Pending	14553217	Change Healthcare Holdings, LLC
145.	Method And Apparatus For Implementing A Task Plan Including Transmission Of One Or More Test Messages	Published	14149334	Change Healthcare Holdings, LLC
146.	Method and Apparatus For Providing Improved Generation of Healthcare Messages	Published	14228902	Change Healthcare Holdings, LLC
147.	Method and Computing Device For Window Width and Window Level Adjustment Utilizing a Multitouch User Interface	Published	14447083	Change Healthcare Holdings, LLC
148.	Method and Apparatus for Managing a Configurable Display Environment	Pending	14529423	Change Healthcare Holdings, LLC

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149.	Method and Apparatus For Providing a Data Manipulation Framework	Published	14473068	Change Healthcare Holdings, LLC
150.	Method, Apparatus, And Computer Program Product For Providing Prioritization Of Subunits In A Geospatial Arrangement	Published	14324429	Change Healthcare Holdings, LLC
151.	Method and Apparatus for Providing Application Context Tag Communication Framework	Pending	14674692	Change Healthcare Holdings, LLC
152.	PACS Viewer and a Method for Identifying Patient Orientation	Granted	14606609/ 9454814	Change Healthcare Holdings, LLC
153.	Health Care Information System and Method for Securely Storing and Controlling Access to Health Care Data	Pending	14673949	Change Healthcare Holdings, LLC
154.	Health Care Information System and Method for Transforming Health Care Data with a Transformation Pipeline	Pending	14673920	Change Healthcare Holdings, LLC
155.	Healthcare Information System and Method for Controlling Access to a Data Projection	Pending	14673971	Change Healthcare Holdings, LLC
156.	Method and Apparatus for Implementing a Messaging Interface	Pending	14591033	Change Healthcare Holdings, LLC
157.	System, Methods, Apparatuses, And Computer Program Products For Providing An Interactive, Context-Sensitive Electronic Health Record Interface	Pending	14671113	Change Healthcare Holdings, LLC
158.	Fault Tolerant Retry Subsystem and Method	Pending	14612880	Change Healthcare Holdings, LLC
159.	Method, Apparatus, and Computer Program Product for Assembling Hierarchy-Date Relating to Geospatial Data of a Health Information System	Pending	14670812	Change Healthcare Holdings, LLC
160.	Systems and Methods for Servicing Database Events	Pending	14674366	Change Healthcare Holdings, LLC
161.	Methods and Apparatuses for Providing Framework for Selective Execution of Application Features	Pending	14674256	Change Healthcare Holdings, LLC

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162.	Method, Apparatus, and Computer Program Product for Monitoring an Electronic Data Exchange	Pending	14674059	Change Healthcare Holdings, LLC
163.	Methods and Apparatuses for Formatting Interface Data	Pending	15086176	Change Healthcare Holdings, LLC
164.	Systems, Methods, Apparatuses, And Computer Program Products For Truncated, Encrypted Searching Of Encrypted Identifiers	Pending	14671031	Change Healthcare Holdings, LLC
165.	Method, Apparatus, and Computer Program Product for Generating a Preview of an Electronic Document	Pending	14828880	Change Healthcare Holdings, LLC
166.	Methods And Apparatuses For Providing Dynamic Definition And Selection Of Metric Applications	Granted	14674789/ 9459843	Change Healthcare Holdings, LLC
167.	Systems and Methods for the Classification and Indexing of Contract Documentation	Pending	15001973	Change Healthcare Holdings, LLC
168.	Method and Apparatus For Tracking Context Synchronization Across Multiple Applications	Pending	15076071	Change Healthcare Holdings, LLC
169.	Server Command Generator For A Care Coordination System And Corresponding Method And Computer Program Product	Pending	14821285	Change Healthcare Holdings, LLC
170.	Event-Driven System and Method for Selectively Performing Computations	Pending	15080668	Change Healthcare Holdings, LLC
171.	Method and Computing Device for Implementing Multiple Matching Strategies	Pending	15086379	Change Healthcare Holdings, LLC
172.	Image Processing System And Method For Detecting An Anatomical Marker Within An Image Study	Pending	15086725	Change Healthcare Holdings, LLC
173.	Methods and Apparatuses for Image Processing and Display	Pending	15085526	Change Healthcare Holdings, LLC
174.	Apparatuses, Methods, and Computer Program Products for Customized Pricing of Claims for Reimbursement	Pending	62316296	Change Healthcare Holdings, LLC
175.	Apparatuses, Methods, and Computer Program Products for Automatic Extraction of Data	Pending	15084962	Change Healthcare Holdings, LLC

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176.	Method and Apparatus for Replicating Data Across Multiple Data Centers	Pending	15073236	Change Healthcare Holdings, LLC
177.	Method and Apparatus for Resolving Disparate Values for Data Elements within a Plurality of Related Records	Pending	15071611	Change Healthcare Holdings, LLC
178.	Methods and Apparatuses for Improving Processing Efficiency in a Distributed System	Pending	15062791	Change Healthcare Holdings, LLC
179.	Methods and Apparatuses For Improving Failure	Pending	15086526	Change Healthcare Holdings, LLC
180.	Method and Apparatus for Improved Clinical System Performance	Pending	15086155	Change Healthcare Holdings, LLC
181.	Method and Computing Device for Modifying a Query that Includes at least one Temporal Expression	Pending	15086633	Change Healthcare Holdings, LLC
182.	Methods and Apparatuses for Interpreter-Based Utilization of Measure Logic	Pending	15355656	Change Healthcare Holdings, LLC