

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7333019

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HCA HEALTHCARE, INC.	11/18/2019
RECEIVING PARTY DATA		
Name:	C/HCA, INC.	
Street Address:	2555 PARK PLAZA, BUILDING 4	
Internal Address:	THIRD FLOOR	
City:	NASHVILLE	
State/Country:	TENNESSEE	
Postal Code:	37203	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17075993
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Email:	payoung@kilpatricktownsend.com	
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP	
Address Line 1:	1100 PEACHTREE STREET	
Address Line 2:	SUITE 2800	
Address Line 4:	ATLANTA, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	094335-1212402 (003841US)	
NAME OF SUBMITTER:	PHOEBE YOUNG	
SIGNATURE:	/Phoebe Young/	
DATE SIGNED:	05/16/2022	
Total Attachments: 10		
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PATENT ASSIGNMENT

WHEREAS, as of 11/18/2019, (the "**Effective Date**"), **HCA Healthcare, Inc.** ("**Assignor**"), owns (a) all rights in patents identified on the attached Schedule A, and all patent applications filed either from such patents, patent applications or provisional applications or from an application claiming priority from any of these, including divisionals, continuations, continuations-in-part, provisionals, converted provisionals, and continued prosecution applications, (b) any and all patents that have issued or in the future issue from the foregoing patent applications, including utility models, petty patents and design patents and certificates of invention, (c) any and all extensions or restorations by existing or future extension or restoration mechanisms, including revalidations, reissues, re-examinations and extensions (including any supplementary protection certificates and the like) of the foregoing patents or patent applications), and (d) any foreign counterparts of the foregoing (hereafter the "**Patents and Patent Applications**");

WHEREAS, **C/HCA, Inc.** ("**Assignee**"), desires to acquire all right, title, and interest in and to the Patents and Patent Applications;

NOW, THEREFORE, as of the Effective Date, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby acknowledge that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title, and interest in, to, and under the said Patents and Patent Applications, and including, but not limited to the right to sue for past and future damages and seek injunctive relief for:

all inventions (hereafter "**Inventions**") set forth in the Patents and Patent Applications;

all patents that may be granted on the Patent Applications;

all applications that the Patents and Patent Applications may claim priority to;

all applications claiming priority to the Patents and Patent Applications, including, but not limited to, all divisions, continuations, and continuations-in-part, and all Letters Patent which may be granted thereon and all reissues, reexaminations, supplemental examinations, and extensions thereof;

all applications or patents claiming the Inventions,

the right to file applications for patent on the Inventions, including, but not limited to, all rights under applicable laws; and

all rights of priority under applicable law and any applications for Letters Patent that may hereafter be filed or granted and all extensions, renewals, and reissues thereof.

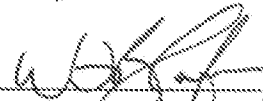
ASSIGNOR DOES HEREBY authorize and request the Commissioner of Patents of the United States, and any other applicable Official foreign or domestic whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents resulting from the Patents and Patent Applications to Assignee, its successors, legal representatives, and assigns, in accordance with the terms of this Assignment;

ASSIGNOR DOES HEREBY sell, assign, transfer and convey to Assignee, its successors, legal representatives, and assigns all claims for past and future damages, including, but not limited to lost profits, royalties, and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents and Patent Applications before or after issuance; and,

AND ASSIGNOR DOES HEREBY covenant and agree that Assignor will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to Assignor respecting the Patents and Patent Applications, and testify in any legal proceeding, assist in the preparation of any other documentation relating to the Patents and Patent Applications, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Patents and Patent Applications, including, but not limited to, any patents or patent applications claiming priority thereto, and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patents and Patent Applications in all countries.

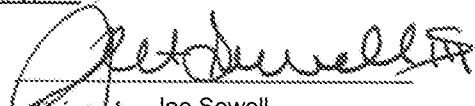
HCA Healthcare, Inc.

("Assignor")

By: 
Name Printed: William B. Bluffs
Title: VP Strategy & Innovation

C/HCA, Inc.

("Assignee")

By: 
Name Printed: Joe Sowell
Title: Senior Vice President and Chief Development Officer

Schedule A					
Attorney Docket No.	HCA Ref.	Country	Title	Application /Patent No.	Filing/Issue Date
094335-0898868 (000410US)	Care Assure #1	U.S.	PROGRAM OPTIMIZATION SYSTEM	9,734,298	Aug. 15, 2017
094335-0952296 (000420US)	Care Assure #2	U.S.	DATA STREAM PROCESSING FOR DYNAMIC RESOURCE SCHEDULING	10,423,355	Sept. 24, 2019
094335-1151681 (000430US)	Care Assure #3	U.S.	DATA STREAM PROCESSING FOR DYNAMIC RESOURCE SCHEDULING	16/534,417	Aug. 7, 2019
094335-0908406 (000610US)	My 39 Weeks #1	U.S.	PROGRESSIVE PREGNANCY WELLNESS PROMOTION USING A PROGRESSION SCHEME AND TASK TRACKING	9,715,835	Jul. 25, 2017
094335-1052851 (000620US)	My 39 Weeks #2	U.S.	PROGRESSIVE PREGNANCY WELLNESS PROMOTION USING A PROGRESSION SCHEME AND TASK TRACKING	10,121,389	Nov. 6, 2018
094335-910601 (000710US)	CE Care #1	U.S.	INTERMEDIATE CHECK POINTS IN MEDICAL CARE LINES FOR AUTOMATICALLY IDENTIFYING CARE DEFICIENCIES	10,055,547	Aug. 21, 2018

094335-1094470 (000720US)	CE Care #2	U.S.	INTERMEDIATE CHECK POINTS AND CONTROLLABLE PARAMETERS FOR ADDRESSING PROCESS DEFICIENCIES	10,379,987	Aug. 13, 2019
094335-1138568 (000730US)	CE Care #3	U.S.	INTERMEDIATE CHECK POINTS AND CONTROLLABLE PARAMETERS FOR ADDRESSING PROCESS DEFICIENCIES	16/510,674	Jul. 12, 2019
094335-929728 (001610US)	InformER #1	U.S.	PROVIDING NOTIFICATIONS TO AUTHORIZED USERS	9,203,814	Dec. 1, 2015
094335-962204 (001620US)	InformER #2	U.S.	PROVIDING NOTIFICATIONS TO AUTHORIZED USERS	9,906,532	Feb. 27, 2018
094335-1074147 (001630US)	InformER #3	U.S.	PROVIDING NOTIFICATIONS TO AUTHORIZED USERS	15/896,788	Feb. 14, 2018
094335-1089262 (001631US)	InformER #4	U.S.	PROVIDING NOTIFICATIONS TO AUTHORIZED USERS	15/980,575	May 15, 2018
094335-0929177 (001710US)	StealthWatch #1	U.S.	NETWORK SEGMENTATION	10,021,116	Jul. 10, 2018
094335-0958056 (002510US)	OR Scheduling Engine #1	U.S.	SYSTEMS AND METHODS FOR ASSIGNING TASKS BASED ON USAGE PATTERNS AND RESOURCE CAPACITIES	9,614,784	Apr. 4, 2017
094335-1039788 (002520US)	OR Scheduling Engine #2	U.S.	SYSTEMS AND METHODS FOR ASSIGNING TASKS BASED ON USAGE PATTERNS AND RESOURCE	15/436,485	Feb. 17, 2017

			CAPACITIES		
094335-0920340 (002710US)	ePHEX #1	U.S.	DIFFERENTIAL PROCESSING OF DATA STREAMS BASED ON PROTOCOLS	9,525,606	Dec. 20, 2016
094335-1032726 (002720US)	ePHEX #2	U.S.	DIFFERENTIAL PROCESSING OF DATA STREAMS BASED ON PROTOCOLS	15/369,434	Dec. 5, 2016
094335-0969223 (002910US)	Transaction Lifecycle Management #1	U.S.	TRANSACTION LIFECYCLE MANAGEMENT	10,033,611	Jul. 24, 2018
094335-1044590 (002911US)	Transaction Lifecycle Management #2	U.S.	END-TO-END TRANSACTION TRACKING ENGINE	9,973,465	May 15, 2018
094335-1087334 (002921US)	Transaction Lifecycle Management #3	U.S.	TRANSACTION LIFECYCLE MANAGEMENT	10,263,945	Apr. 16, 2019
094335-1126671 (002931US)	Transaction Lifecycle Management #4	U.S.	TRANSACTION LIFECYCLE MANAGEMENT	16/373,022	Apr. 2, 2019
094335-0966953 (003010US)	Medical Suggestion Engine #1	U.S.	SUGGESTION ENGINE	14/967,027	Dec. 11, 2015
094335-1018914 (003511US)	MyCare #2	U.S.	CUSTOMIZABLE REAL-TIME ELECTRONIC WHITEBOARD SYSTEM	9,690,538	Jun. 27, 2017
094335-1053179 (003521US)	MyCare #3	U.S.	CUSTOMIZABLE REAL-TIME ELECTRONIC WHITEBOARD	15/627,125	Jun. 19, 2017

			SYSTEM		
094335-0962053 (003710US)	Sharecare A #1	U.S.	SCHEDULING HUB	14/974,438	Dec. 18, 2015
094335-1017668 (003711US)	Sharecare A & B #2	U.S.	RANDOMIZED COMPLIANT SEARCHING	10,380,181	Aug. 13, 2019
094335-1146667 (003721US)	Sharecare A & B #3	U.S.	RANDOMIZED COMPLIANT SEARCHING	16/451,547	Jun. 25, 2019
094335-0961215 (003810US)	Dispatch Engine (PATRA) #1	U.S.	BIASED TASK ASSIGNMENTS BASED ON GEOTRACKING OF DISCHARGE VEHICLES	10,319,056	Jun. 11, 2019
094335-1021804 (003811US)	Dispatch Engine (PATRA) #2	U.S.	MULTI-TIER RESOURCE AND LOAD ORCHESTRATION	9,880,881	Jan. 30, 2018
094335-1071103 (003821US)	Dispatch Engine (PATRA) #3	U.S.	MULTI-TIER RESOURCE AND LOAD ORCHESTRATION	10,303,519	May 28, 2019
094335-1126677 (003831US)	Dispatch Engine (PATRA) #4	U.S.	MULTI-TIER RESOURCE AND LOAD ORCHESTRATION	16/397,369	Apr. 29, 2019
094335-1008035 (004310US)	Risk Engine (CSG) #1	U.S.	RISK ASSESSMENT AND EVENT DETECTION	15/156,503	May 17, 2016
094335-1017401 (004311US)	Risk Engine (CSG) #2	U.S.	CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS	9,779,611	Oct. 3, 2017
094335-1054602 (004321US)	Risk Engine (CSG) #3	U.S.	CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS	9,905,112	Feb. 27, 2018

094335-1078287 (004330US)	Risk Engine (CSG) #4	U.S.	CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS	10,311,701	Jun. 4, 2019
094335-0969192 (004410US)	Sharecare B #1	U.S.	SCHEDULING HUB	14/989,520	Jan. 6, 2016
094335-1014050 (004610US)	Integrated Documentation #1	U.S.	PROCESS ACTION DETERMINATION	10,296,187	May 21, 2019
094335-1125626 (004620US)	Integrated Documentation #2	U.S.	CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS	16/358,282	Mar. 19, 2019
094335-1026037 (004710US)	NLP on ED Notes #1	U.S.	DATA PROCESSING FOR MAKING PREDICTIVE DETERMINATIONS	15/299,324	Oct. 20, 2016
094335-1037114 (004711US)	NLP on ED Notes #2	U.S.	SIGNAL PROCESSING FOR MAKING PREDICTIVE DETERMINATIONS	15/674,326	Aug. 10, 2017
094335-1015868 (004810US)	HIE Service Bus #1	U.S.	MESSAGE CUSTOMIZATION AND ROUTING	9,973,455	May 15, 2018
094335-1013437 (004910US)	Beast #1	U.S.	DEIDENTIFICATION OF PRODUCTION DATA	9,846,716	Dec. 19, 2017
094335-1017669 (004920US)	Beast #2	U.S.	TESTING USING DEIDENTIFIED PRODUCTION DATA	9,892,281	Feb. 13, 2018
094335-1017670 (004930US)	Beast #3	U.S.	ENHANCED DELIVERY OF DEIDENTIFIED PRODUCTION DATA	9,953,095	Apr. 24, 2018
094335-0959979 (005500US)	ICON Platform – Clinical Gamification	U.S.	SYSTEMS AND METHODS FOR MULTI-TIER RESOURCE AND SUBSYSTEM ORCHESTRATION AND ADAPTATION	62/851,887	May 23, 2019

094335-1010133 (005810US)	Identified Claims #1	U.S.	SYSTEMS AND METHODS FOR PROCESSING DATA OBJECTS USING A CENTRAL HUB	15/829,733	Dec. 1, 2017
094335-1127421 (005811US)	Identified Claims #2	U.S.	SYSTEMS AND METHODS FOR PROCESSING DATA USING A CENTRAL NODE	16/450,314	Jun. 24, 2019
094335-1055864 (005910US)	Robotics Data #1	U.S.	TAGGED COMPONENT DATA SETS FOR SUBSEQUENT TECHNIQUE IDENTIFICATION	15/652,494	Jul. 18, 2017
094335-1064540 (006110US)	Customized Provider Delivery Support #1	U.S.	AUTHORIZED USER MODELING FOR DECISION SUPPORT	15/917,446	Mar. 9, 2018
094335-1103631 (006111US)	Customized Provider Delivery Support #2	U.S.	DATA DERIVED USER BEHAVIOR MODELING	10,412,028	Sept. 10, 2019
094335-1153297 (006121US)	Customized Provider Delivery Support #3	U.S.	DATA DERIVED USER BEHAVIOR MODELING	16/545,122	Aug 20, 2019
094335-1057042 (006210US)	HCA ER Wait Times #1	U.S.	PROCESSING DELAY PREDICTIONS BASED ON QUEUE ASSESSMENTS	15/683,151	Aug. 22, 2017
094335-1107454 (006510US)	Trauma Improvement #1	U.S.	ASSESSING COMPLETION OF EVENTS	16/170,379	Oct. 25, 2018
094335-1152394 (006520US)	Trauma Improvement #2	U.S.	ASSESSING COMPLETION OF EVENTS	16/580,114	Sept. 24, 2019
094335-1053001 (006600US)	HAPI Guardian	U.S.	METHODS OF ASSESSING A CONDITION OF A PATIENT	62/776,786	Dec. 7, 2018

094335-1054239 (006800US)	MedOps	U.S.	CLINICAL DECISION MAKING USING MULTI-USER CHAT THREADS	62/800,990	Feb. 4, 2019
094335-1068035 (007300US)	Diversion Dashboard #1	U.S.	AGGREGATING DATA TO IDENTIFY DIVERSION EVENTS	16/564,767	Sept. 10, 2019
094335-1151694 (007510US)	TimeWatch #1	U.S.	DISPARATE DATA AGGREGATION FOR USER INTERFACE CUSTOMIZATION	16/545,998	Aug. 20, 2019
094335-1080843 (007700US)	adIOS	U.S.	SYSTEMS AND METHODS FOR SWITCH STACK EMULATION, MONITORING, AND CONTROL	62/777,615	Dec. 10, 2018
094335-1155195 (007810US)	Bluewave Message Transport #1	U.S.	ADAPTIVE AUTHENTICATION AND NOTIFICATION SYSTEM	16/586,376	Sept. 27, 2019
094335-1115454 (008400us)	Inspire Platform – Clinical Gamification	U.S.	SYSTEMS AND METHODS FOR MULTI-TIER ORCHESTRATION OF RESOURCES WITHIN A NETWORK	62/900,050	Sept. 13, 2019
094335-1118447 (008500US)	REX and Dragon	U.S.	PREDICTIVE MODELS FOR PATIENT CARE COORDINATION	62/853,500	May 28, 2019
094335-1124146 (007110US-G)	Genospace #1	U.S.	TECHNIQUES FOR GENERATING INVESTIGATORY-EVENT MAPPINGS USING GRAPH-STRUCTURE TRAJECTORIES	16/298,541	Mar. 11, 2019
094335-1124147 (007120US-G)	Genospace #2	U.S.	DATA INTEGRATION USING GRAPH STRUCTURES	16/298,748	Mar. 11, 2019

094335-1124148 (007130US-G)	Genospace #3	U.S.	TECHNIQUES FOR INTEGRATING PROXY NODES INTO GRAPH-MODEL-BASED INVESTIGATORY-EVENT MAPPINGS	16/298,914	Mar. 11, 2019
094335-1130302 (007110EP-G)	Genospace #4	EP	ARTIFICIAL-INTELLIGENCE TECHNIQUES FOR INVESTIGATORY-EVENT POPULATION SELECTION USING GRAPH MODELS	19162631.6	Mar. 11, 2019
094335-0970617 (000810US-P)	Prescription Scripting (PK) #1	US	PRESCRIPTION SCRIPTING AND ROUTING ENGINE	15/002,137	Jan. 20, 2016
09433-0970618 (005210US-P)	Quick Text for Medical Documentation (PK) #1	US	TEXT TEMPLATE PLATFORM FOR MEDICAL DOCUMENTATION	15/002,152	Jan. 20, 2016
094335-1155202 (005310US-P)	Charge Rescue and Charge-Note Reconciliation (PK) #1	US	PREDICTIVE MODEL FOR GENERATING PAIRED IDENTIFIERS	16/587,475	Sept. 30, 2019