

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI221311

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	Security Agreement
RESUBMIT DOCUMENT ID:	508495179
CONVEYING PARTY DATA	
Name	Execution Date
Cerence Operating Company	04/12/2024
RECEIVING PARTY DATA	
Company Name:	Wells Fargo Bank, N.A., as Collateral Agent
Street Address:	1525 West W. T. Harris Boulevard
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28262
PROPERTY NUMBERS Total: 77	
Property Type	Number
Application Number:	17958663
Application Number:	17490367
Application Number:	16671830
Application Number:	17111868
Application Number:	17239894
Application Number:	17397522
Application Number:	16308849
Application Number:	16734108
Application Number:	16348689
Application Number:	17082558
Application Number:	16830638
Application Number:	16074953
Application Number:	13795933
Application Number:	17082632
Application Number:	16638866
Application Number:	15238238
Application Number:	16663426
Application Number:	15308731
Application Number:	14281026

Property Type	Number
Application Number:	14814192
Application Number:	13795960
Application Number:	14483282
Application Number:	14483285
Application Number:	13759924
Application Number:	14565505
Application Number:	13301732
Application Number:	13456959
Application Number:	13795829
Application Number:	13583840
Application Number:	12415927
Application Number:	11379747
Application Number:	11765773
Application Number:	13214809
Application Number:	11838609
Application Number:	12189545
Application Number:	10532469
Application Number:	11824950
Application Number:	11044815
Application Number:	11533714
Application Number:	11275432
Application Number:	18386825
Application Number:	18219906
Application Number:	17874788
Application Number:	17810116
Application Number:	17848598
Application Number:	17846401
Application Number:	18039061
Application Number:	17842986
Application Number:	17833102
Application Number:	18108709
Application Number:	18057268
Application Number:	18105979
Application Number:	18103037
Application Number:	17908557
Application Number:	17951715
Application Number:	17952465
Application Number:	17992155

Property Type	Number
Application Number:	17789538
Application Number:	17684529
Application Number:	17357464
Application Number:	17774917
Application Number:	17555927
Application Number:	17790006
Application Number:	17867091
Application Number:	17315759
Application Number:	17760815
Application Number:	17693495
Application Number:	17700779
Application Number:	17693491
Application Number:	17174715
Application Number:	17133718
Application Number:	17554381
Application Number:	17554390
Application Number:	17539508
Application Number:	17088820
Application Number:	17111603
Application Number:	17036390

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.

Phone: 8007130755

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: Michael Violet

Address Line 1: 4400 Easton Commons Way

Address Line 2: Suite 125

Address Line 4: Columbus, OHIO 43219

NAME OF SUBMITTER:	Michael Violet
SIGNATURE:	Michael Violet
DATE SIGNED:	05/09/2024

Total Attachments: 17

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Notice of Grant of Security Interest in Patents

NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS, dated as of April 12, 2024 (this "Notice"), made by Cerence Operating Company, a Delaware corporation (the "Pledgor"), in favor of Wells Fargo Bank, N.A., as Collateral Agent (as defined below).

Reference is made to the Collateral Agreement, dated as of June 12, 2020 (as amended, restated, supplemented or otherwise modified from time to time, the "Collateral Agreement"), among Cerence Inc. (the "Borrower"), each subsidiary of the Borrower identified therein and Wells Fargo Bank, N.A., as collateral agent (together with its successors and assigns in such capacity, the "Collateral Agent") for the Secured Parties (as defined therein). The parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Notice and not otherwise defined herein have the meanings specified in the Collateral Agreement. The rules of construction specified in Section 1.01(b) of the Collateral Agreement also apply to this Notice.

SECTION 2. Grant of Security Interest. As security for the payment and performance when due, as applicable, in full of the Secured Obligations, the Pledgor pursuant to the Collateral Agreement did, and hereby does, assign and pledge to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties and did, and hereby does grant to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties, a security interest in all of such Pledgor's right, title and interest in or to any and all of the following assets now owned or at any time hereafter acquired by such Pledgor or in which such Pledgor now has or at any time in the future may acquire any right, title or interest (collectively, but excluding any Excluded Property, the "Patent Collateral");

all Patents of the United States of America, including those listed on Schedule I;

SECTION 3. Collateral Agreement. The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Collateral Agreement. Each Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Notice and the Collateral Agreement, the terms of the Collateral Agreement shall govern.

SECTION 4. Counterparts. This Notice may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract. The words "execution,"

“signed,” “signature,” “delivery,” and words of like import in or relating to any document to be signed in connection with this Notice and the transactions contemplated hereby shall be deemed to include an electronic symbol or process attached to a contract or other record and adopted by a Person with the intent to sign, authenticate or accept such contract or record (each an “Electronic Signature”), deliveries or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature, physical delivery thereof or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act; provided that nothing herein shall require the Administrative Agent to accept Electronic Signatures in any form or format without its prior written consent. Without limiting the generality of the foregoing, each Pledgor party hereto hereby (i) agrees that, for all purposes, including without limitation, in connection with any workout, restructuring, enforcement of remedies, bankruptcy proceedings or litigation among the Administrative Agent, the Lenders and the Loan Parties, electronic images of this Notice or any other Loan Documents (in each case, including with respect to any signature pages thereto) shall have the same legal effect, validity and enforceability as any paper original, and (ii) waives any argument, defense or right to contest the validity or enforceability of the Loan Documents based solely on the lack of paper original copies of any Loan Documents, including with respect to any signature pages thereto.

SECTION 5. *Governing Law.* THIS NOTICE AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS NOTICE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS NOTICE SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO ANY PRINCIPLE OF CONFLICTS OF LAW THAT COULD REQUIRE THE APPLICATION OF ANY OTHER LAW.

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this Notice as of the day and year first above written.

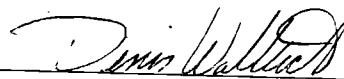
CERENCE OPERATING COMPANY

By: 

Name: Jennifer Salinas

Title: Secretary

WELLS FARGO BANK, N.A.,
as Collateral Agent,

By: 
Name: Denis Waltrich
Title: Director

Schedule I
to Notice of Grant of Security Interest in Patents

Patents Owned by Cerence Operating Company

U.S. Patent Registrations and Applications:

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
1.	Cerence Operating Company	Hybrid Arbitration System	17958663	Oct 3, 2022		
2.	Cerence Operating Company	Coordinating Electronic Personal Assistants	17490367	Sep 30, 2021		
3.	Cerence Operating Company	METHODS AND APPARATUS FOR ADAPTIVE GAIN CONTROL IN A COMMUNICATION SYSTEM	16671830	Nov 1, 2019	11798576	Oct 24, 2023
4.	Cerence Operating Company	Automotive Entertainment Applications	17111868	Dec 4, 2020	11745095	Sep 5, 2023
5.	Cerence Operating Company	FLEXIBLE-FORMAT VOICE COMMAND	17239894	Apr 26, 2021	11735172	Aug 22, 2023
6.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	17/397,522	08/09/2021	11676600	05/24/2023

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
7.	Cerence Operating Company	TECHNIQUES FOR WAKE-UP WORD RECOGNITION AND RELATED SYSTEMS AND METHODS	16308849	Dec 11, 2018	11600269	Mar 7, 2023
8.	Cerence Operating Company	METHODS AND SYSTEMS FOR INCREASING AUTONOMOUS VEHICLE SAFETY AND FLEXIBILITY USING VOICE INTERACTION	16734108	Jan 3, 2020	11577742	Feb 14, 2023
9.	Cerence Operating Company	TECHNIQUES FOR LANGUAGE INDEPENDENT WAKE-UP WORD DETECTION	16348689	May 9, 2019	11545146	Jan 3, 2023
10.	Cerence Operating Company	HAPTIC COMMUNICATION WITH A VEHICLE'S OCCUPANT	17082558	Oct 28, 2020	11521470	Dec 6, 2022
11.	Cerence Operating Company	Hybrid arbitration System	16830638	Mar 26, 2020	11462216	Oct 4, 2022
12.	Cerence Operating Company	TECHNIQUES FOR SPATIALLY SELECTIVE WAKE-UP WORD RECOGNITION AND RELATED SYSTEMS AND METHODS	16074953	Aug 2, 2018	11437020	Sep 6, 2022

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
13.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	13795933	Mar 12, 2013	11393461	Jul 19, 2022
14.	Cerence Operating Company	COORDINATING ELECTRONIC PERSONAL ASSISTANTS	17082632	Oct 28, 2020	11189271	Nov 30, 2021
15.	Cerence Operating Company	LOW COMPLEXITY DETECTION OF VOICED SPEECH AND PITCH ESTIMATION	16638866	Feb 13, 2020	11176957	Nov 16, 2021
16.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	15238238	Aug 16, 2016	11087750	Aug 10, 2021
17.	Cerence Operating Company	AUDIO STREAM MIXING SYSTEM AND METHOD	16663426	Oct 25, 2019	10747497	Aug 18, 2020
18.	Cerence Operating Company	SYSTEMS AND METHODS FOR GENERATING SPEECH OF MULTIPLE STYLES FROM TEXT	15308731	Nov 3, 2016	10192541	Jan 29, 2019
19.	Cerence Operating Company	FRAME ERASURE CONCEALMENT TECHNIQUE FOR A BITSTREAM-BASED FEATURE EXTRACTOR	14281026	May 19, 2014	10109271	Oct 23, 2018

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
20.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	14814192	Jul 30, 2015	9940936	Apr 10, 2018
21.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	13795960	Mar 12, 2013	9361885	Jun 7, 2016
22.	Cerence Operating Company	Methods and Apparatus for Unsupervised Wakeup with Time-Related Acoustic Events	14483282	Sep 11, 2014	9354687	May 31, 2016
23.	Cerence Operating Company	METHODS AND APPARATUS FOR UNSUPERVISED WAKEUP	14483285	Sep 11, 2014	9335966	May 10, 2016
24.	Cerence Operating Company	ACCURACY OF TEXT-TO-SPEECH SYNTHESIS	13759924	Feb 5, 2013	9311913	Apr 12, 2016
25.	Cerence Operating Company	PERSONALIZED TEXT-TO-SPEECH SERVICES	14565505	Dec 10, 2014	9214154	Dec 15, 2015
26.	Cerence Operating Company	SYSTEMS AND METHODS FOR USING ENTERED TEXT TO ACCESS AND PROCESS CONTEXTUAL INFORMATION	13301732	Nov 21, 2011	9189155	Nov 17, 2015

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
27.	Cerence Operating Company	EMBEDDED SYSTEM FOR CONSTRUCTION OF SMALL FOOTPRINT SPEECH RECOGNITION WITH USER-DEFINABLE CONSTRAINTS	13456959	Apr 26, 2012	9117449	Aug 25, 2015
28.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	13795829	Mar 12, 2013	9112984	Aug 18, 2015
29.	Cerence Operating Company	MULTIMODAL TEXT INPUT SYSTEM, SUCH AS FOR USE WITH TOUCH SCREENS ON MOBILE PHONES	13583840	Oct 16, 2012	9104312	Aug 11, 2015
30.	Cerence Operating Company	DETECTING BARGE-IN IN A SPEECH DIALOGUE SYSTEM	12415927	Mar 31, 2009	9026438	May 5, 2015
31.	Cerence Operating Company	Contextual Prediction of User Words and User Actions	11379747	Apr 21, 2006	8938688	Jan 20, 2015
32.	Cerence Operating Company	PERSONALIZED TEXT-TO-SPEECH SERVICES	11765773	Jun 20, 2007	8918322	Dec 23, 2014
33.	Cerence Operating Company	GENERALIZING TEXT CONTENT SUMMARY FROM SPEECH CONTENT	13214809	Aug 22, 2011	8868419	Oct 21, 2014

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
34.	Cerence Operating Company	SYNTHESIS BY GENERATION AND CONCATENATION OF MULTI-FORM SEGMENTS	11838609	Aug 14, 2007	8321222	Nov 27, 2012
35.	Cerence Operating Company	NOISE REDUCTION THROUGH SPATIAL SELECTIVITY AND FILTERING	12189545	Aug 11, 2008	8180069	May 15, 2012
36.	Cerence Operating Company	CONTROLLING AN APPARATUS BASED ON SPEECH	10532469	Apr 22, 2005	7885818	Feb 8, 2011
37.	Cerence Operating Company	SYSTEM AND METHOD FOR A USER INTERFACE FOR TEXT EDITING AND MENU SELECTION	11824950	Jul 3, 2007	7542029	Jun 2, 2009
38.	Cerence Operating Company	SPEECH DIALOGUE SYSTEM FOR DIALOGUE INTERRUPTION AND CONTINUATION CONTROL	11044815	Jan 26, 2005	7454351	Nov 18, 2008
39.	Cerence Operating Company	SYSTEM AND METHOD FOR CONTINUOUS STROKE WORD-BASED TEXT INPUT	11533714	Sep 20, 2006	7382358	Jun 3, 2008

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
40.	Cerence Operating Company	SYNTHESIS-BASED PRE-SELECTION OF SUITABLE UNITS FOR CONCATENATIVE SPEECH	11275432	Dec 30, 2005	7233901	Jun 19, 2007
41.	Cerence Operating Company	ENHANCED DE-ESSER FOR IN-CAR COMMUNICATIONS SYSTEMS	18386825	Nov 3, 2023		
42.	Cerence Operating Company	FLEXIBLE-FORMAT VOICE COMMAND	18/219,906	Jul. 10, 2023		
43.	Cerence Operating Company	TAMPER-ROBUST WATERMARKING OF SPEECH SIGNALS	17/874,788	Jul. 27, 2022		
44.	Cerence Operating Company	IN-CAR ASSISTIVE AUDIO TECHNOLOGIES FOR USERS WITH HEARING LOSS	17/810,116	Jun. 30, 2022		
45.	Cerence Operating Company	DYNAMIC VOICE ASSISTANT SYSTEM FOR A VEHICLE	17848598	Jun 24, 2022		
46.	Cerence Operating Company	EMOTION DETECTION IN BARGE-IN ANALYSIS	17/846,401	Jun. 22, 2022		
47.	Cerence Operating Company	IN-CABIN AUDIO FILTERING	18039061	May 26, 2023		

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
48.	Cerence Operating Company	SPEECH SYNTHESIS WITH FOREIGN FRAGMENTS	17842986	Jun 17, 2022		
49.	Cerence Operating Company	EMOTION-AWARE VOICE ASSISTANT	17833102	Jun 6, 2022		
50.	Cerence Operating Company	METHODS AND SYSTEMS FOR INCREASING AUTONOMOUS VEHICLE SAFETY AND FLEXIBILITY USING VOICE INTERACTION	18108709	Feb 13, 2023		
51.	Cerence Operating Company	VOICE REINFORCEMENT IN MULTIPLE SOUND ZONE ENVIRONMENTS	18057268	Nov 21, 2022		
52.	Cerence Operating Company	Communication System For Multiple Acoustic Zones	18105979	Feb 6, 2023		
53.	Cerence Operating Company	TECHNIQUES FOR WAKE-UP WORK RECOGNITION AND RELATED SYSTEMS AND METHODS	18103037	Jan 30, 2023		

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
54.	Cerence Operating Company	SYSTEM AND METHOD FOR INTEGRATED EMERGENCY VEHICLE DETECTION AND LOCALIZATION	17908557	Sep 1, 2022		
55.	Cerence Operating Company	VOICE ASSISTANT ERROR DETECTION SYSTEM	17951715	Sep 23, 2022		
56.	Cerence Operating Company	CONTEXTUAL UTTERANCE RESOLUTION IN MULTIMODAL SYSTEMS	17952465	Sep 26, 2022		
57.	Cerence Operating Company	TECHNIQUES FOR LANGUAGE INDEPENDENT WAKE-UP WORD DETECTION	17992155	Nov 22, 2022		
58.	Cerence Operating Company	LOCATION-AWARE REMINDERS	17789538	Jun 28, 2022		
59.	Cerence Operating Company	VEHICLE AVATAR DEVICES FOR INTERACTIVE VIRTUAL ASSISTANT	17684529	Mar 2, 2022		

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
60.	Cerence Operating Company	VOICE ASSISTANT ACTIVATION SYSTEM WITH CONTEXT DETERMINATION BASED ON MULTIMODAL DATA	17357464	Jun 24, 2021		
61.	Cerence Operating Company	Passenger Assistant for a Shared Mobility Vehicle	17774917	May 6, 2022		
62.	Cerence Operating Company	METHOD AND APPARATUS FOR ENHANCING A GEOLOCATION DATABASE	17555927	Dec 20, 2021		
63.	Cerence Operating Company	SYSTEM AND METHOD FOR ACOUSTIC DETECTION OF EMERGENCY SIRENS	17790006	Jun 29, 2022		
64.	Cerence Operating Company	METHODS AND APPARATUS FOR DETECTING A VOICE COMMAND	17867091	Jul 18, 2022		
65.	Cerence Operating Company	TOURING CIRCUITRY FOR AN IMMERSIVE TOUR THROUGH A TOURING THEATER	17315759	May 10, 2021		

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
66.	Cerence Operating Company	CHILD PRESENCE DETECTION IN A CAR	17760815	Mar 16, 2022		
67.	Cerence Operating Company	PROACTIVE AUTOMOTIVE ASSISTANT	17693495	Mar 14, 2022		
68.	Cerence Operating Company	DETERMINING WHETHER AN ACOUSTIC EVENT ORIGINATED INSIDE OR OUTSIDE A VEHICLE	17700779	Mar 22, 2022		
69.	Cerence Operating Company	INFOTAINMENT SYSTEM HAVING AWARENESS OF LOCAL DYNAMIC FEATURES	17693491	Mar 14, 2022		
70.	Cerence Operating Company	VOICE REQUEST SEQUENCING	17174715	Feb 12, 2021		
71.	Cerence Operating Company	Speech Dialog System for Multiple Passengers in a Car	17133718	Dec 24, 2020		
72.	Cerence Operating Company	PLATFORM FOR INTEGRATING DISPARATE ECOSYSTEMS WITHIN A VEHICLE	17554381	Dec 17, 2021		
73.	Cerence Operating Company	ROUTING OF USER COMMANDS ACROSS DISPARATE ECOSYSTEMS	17554390	Dec 17, 2021		

	Current Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
74.	Cerence Operating Company	AUTOMOTIVE INFOTAINMENT SYSTEM WITH SPATIALLY-COGNIZANT APPLICATIONS THAT INTERACT WITH A SPEECH INTERFACE	17539508	Dec 1, 2021		
75.	Cerence Operating Company	OUT-OF-DOMAIN MONITORING IN PARKED VEHICLES	17088820	Nov 4, 2020		
76.	Cerence Operating Company	SAFE AUTHENTICATION FROM AN AUTOMOBILE	17111603	Dec 4, 2020		
77.	Cerence Operating Company	MULTI-MODAL KEYLESS MULTI-SEAT IN-CAR PERSONALIZATION	17036390	Sep 29, 2020		

PATENT

REEL: 067417 FRAME: 0322

RECORDED: 04/15/2024