

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI712837

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	PATENT SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
IHEARTMEDIA MANAGEMENT SERVICES, INC.	12/20/2024
RECEIVING PARTY DATA	
Company Name:	U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION
Street Address:	333 COMMERCE STREET
Internal Address:	SUITE 900
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37201
PROPERTY NUMBERS Total: 110	
Property Type	Number
Patent Number:	9426017
Patent Number:	10810254
Patent Number:	10817910
Patent Number:	10841779
Patent Number:	10922136
Patent Number:	10938874
Patent Number:	11019049
Patent Number:	11095380
Patent Number:	11102321
Patent Number:	11138871
Patent Number:	11182741
Patent Number:	11195411
Patent Number:	11206622
Patent Number:	11218392
Patent Number:	11245745
Patent Number:	11275781
Patent Number:	11277458
Patent Number:	11328011
Patent Number:	11328318

Property Type	Number
Patent Number:	11337049
Patent Number:	11373215
Patent Number:	11394478
Patent Number:	11418615
Patent Number:	11425436
Patent Number:	11477503
Patent Number:	11496459
Patent Number:	11503088
Patent Number:	11516265
Patent Number:	11563661
Patent Number:	11563786
Patent Number:	11563787
Patent Number:	11574539
Patent Number:	11575454
Patent Number:	11587124
Patent Number:	11614928
Patent Number:	11627198
Patent Number:	11630859
Patent Number:	11652868
Patent Number:	11659054
Patent Number:	11659256
Patent Number:	11669847
Patent Number:	11683546
Patent Number:	11693618
Patent Number:	11710150
Patent Number:	11735036
Patent Number:	11757960
Patent Number:	11777825
Patent Number:	11799572
Patent Number:	11810570
Patent Number:	11816150
Patent Number:	11816705
Patent Number:	11818188
Patent Number:	11823569
Patent Number:	11876792
Patent Number:	11877223
Patent Number:	11930061
Patent Number:	11941647

Property Type	Number
Patent Number:	11943312
Patent Number:	11943504
Patent Number:	11979445
Patent Number:	11995689
Patent Number:	11997615
Patent Number:	12001473
Patent Number:	12001477
Patent Number:	12003553
Patent Number:	12003557
Patent Number:	11966946
Patent Number:	12033498
Patent Number:	12096312
Patent Number:	12141821
Patent Number:	12073713
Patent Number:	12120592
Patent Number:	12149576
Application Number:	16678984
Application Number:	17193162
Application Number:	17388251
Application Number:	17460593
Application Number:	17530602
Application Number:	17825012
Application Number:	17936675
Application Number:	17964107
Application Number:	17984358
Application Number:	17994264
Application Number:	18078322
Application Number:	18068726
Application Number:	18099027
Application Number:	18105759
Application Number:	18108235
Application Number:	18133084
Application Number:	18135210
Application Number:	18195447
Application Number:	18207288
Application Number:	18237610
Application Number:	18476575
Application Number:	18482490

Property Type	Number
Application Number:	18501685
Application Number:	18501760
Application Number:	18504664
Application Number:	18506077
Application Number:	18536054
Application Number:	18443805
Application Number:	18585683
Application Number:	18609158
Application Number:	18616892
Application Number:	18630428
Application Number:	18640744
Application Number:	18649025
Application Number:	18661007
Application Number:	18779229
Application Number:	18780578

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	005261/0005
NAME OF SUBMITTER:	KIMBERLY SOLOMON
SIGNATURE:	KIMBERLY SOLOMON
DATE SIGNED:	12/22/2024

Total Attachments: 10

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Version)#page6.tiff

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PATENT SECURITY AGREEMENT

This **Patent Security Agreement**, dated as of December 20, 2024, is entered into by the undersigned grantor (the “**Grantor**”), in favor of U.S. BANK TRUST COMPANY, NATIONAL ASSOCIATION, in its capacity as collateral agent (in such capacity, the “**Collateral Agent**”) under the Indenture, dated as of November 22, 2019, by and among iHeartCommunications, Inc., the guarantors from time to time party thereto and U.S. Bank Trust Company, National Association, as trustee and Collateral Agent, as amended, supplemented or otherwise modified from time to time.

W I T N E S S E T H:

WHEREAS, the Grantor is party to a Security Agreement dated as of November 22, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”) in favor of the Collateral Agent pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and the acquisition of the Notes by the Holders thereof, the Grantor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Grantor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in and to all of its right, title and interest in, to and under all the following Collateral (excluding any Excluded Assets) of the Grantor:

(a) issued Patents and Patents with respect to which applications are pending listed on Schedule I attached hereto.

SECTION 3. The Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement and the Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Collateral Agent shall otherwise determine.

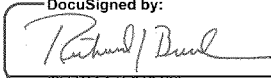
SECTION 4. Termination. Upon the termination of the Security Agreement in accordance with Section 6.11 thereof, the Collateral Agent shall, at the expense of the Grantor, execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the lien on and security interest in the Patents under this Patent Security Agreement.

SECTION 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.


SECTION 6. Governing Law. The terms of Section 13.8, 13.9 and 13.10 of the Indenture with respect to governing law, submission of jurisdiction, venue and waiver of jury trial are incorporated herein by reference, *mutatis mutandis*, and the parties hereto agree to such terms.

[Signature pages follow.]

**IHEARTMEDIA MANAGEMENT SERVICES,
INC., as Grantor**

By: 
Name: Richard J. Bressler
Title: President and Chief Financial
Officer

U.S. Bank Trust Company, National
Association, as Collateral Agent for the 2028
Secured Notes

By: 
Name: Wally Jones
Title: Vice President

Schedule I
Patent Registrations and Applications

Patent	App. No. or Reg. No.	Current Owner of Record
Automated Content Delivery To Distributed Media Outlets	9426017	iHeartMedia Management Services, Inc.
Unordered Matching Of Audio Fingerprints	10810254	iHeartMedia Management Services, Inc.
System And Method For Integrated Automated Inventory Management And Advertisement Delivery	10817910	iHeartMedia Management Services, Inc.
Insertion Of Notifications Into In-Band On-Channel Broadcasts	10841779	iHeartMedia Management Services, Inc.
Subscription Server	10922136	iHeartMedia Management Services, Inc.
Multi-Level Matching Facilitating Delivery Of Enhanced Content	10938874	iHeartMedia Management Services, Inc.
Licensing Authentication Via Intermediary Using Time And Proximity	11019049	iHeartMedia Management Services, Inc.
Source Identification Using Parallel Accumulation And Comparison Of Broadcast Fingerprints	11095380	iHeartMedia Management Services, Inc.
Selectively Transforming Assets Returned By A Proxy Device	11102321	iHeartMedia Management Services, Inc.
Creating Transport Protocol Experts Group Frames	11138871	iHeartMedia Management Services, Inc.
Dynamic Assignment Of Media Advertising Orders To Broadcast Inventory	11182741	iHeartMedia Management Services, Inc.
Traffic Probe Device Selection	11195411	iHeartMedia Management Services, Inc.
Transmission Of Feedback Via In-Band On-Channel (IBOC) Mesh Network	11206622	iHeartMedia Management Services, Inc.
Media Stream Monitor With Heartbeat Timer	11218392	iHeartMedia Management Services, Inc.
Modification Of Local Logs By Enterprise Hub	11245745	iHeartMedia Management Services, Inc.
Program and Syndicated Content Detection	11275781	iHeartMedia Management Services, Inc.
Multi-Level Matching Facilitating Delivery Of Enhanced Content	11277458	iHeartMedia Management Services, Inc.
Unordered Matching Of Audio Fingerprints	11328011	iHeartMedia Management Services, Inc.
Preventing Internet Bots From Influencing User Media Feedback	11328318	iHeartMedia Management Services, Inc.

Patent	App. No. or Reg. No.	Current Owner of Record
Replacement Of Channel Content With Notification Content	11337049	iHeartMedia Management Services, Inc.
Substituting Streaming Station For Over-The-Air Broadcast	11373215	iHeartMedia Management Services, Inc.
Cloud Callout Identification Of Unknown Broadcast Signatures Based On Previously Recorded Broadcast Signatures	11394478	iHeartMedia Management Services, Inc.
Proxy Device That Selectively Dispatches Resource Requests	11418615	iHeartMedia Management Services, Inc.
Streaming Server Sharing Media Source Locations With Over-Air Server	11425436	iHeartMedia Management Services, Inc.
Providing Enrichment Content	11477503	iHeartMedia Management Services, Inc.
Registration Process Using Multiple Devices	11496459	iHeartMedia Management Services, Inc.
Match Indications For Slots Adjacent To Voice Tracks	11503088	iHeartMedia Management Services, Inc.
Method And System For Selectively Broadcasting Media	11516265	iHeartMedia Management Services, Inc.
Data Stream Test Restart	11563661	iHeartMedia Management Services, Inc.
Selectively Storing Identifiers Based On Media Type Indicator	11563786	iHeartMedia Management Services, Inc.
Mobile Device Selection Of Preferred Content	11563787	iHeartMedia Management Services, Inc.
Quality Corrected Traffic Flow Predictions	11574539	iHeartMedia Management Services, Inc.
Automated Data-Matching Based On Fingerprints	11575454	iHeartMedia Management Services, Inc.
Passing Control Of Inserting Third-Party Content Into A Media Stream	11587124	iHeartMedia Management Services, Inc.
Modifying Unconfigured Application To Include Default Channel	11614928	iHeartMedia Management Services, Inc.
Resource Access Based On Supervisory-Subordinate Relationship	11627198	iHeartMedia Management Services, Inc.
System For Matching Media Files	11630859	iHeartMedia Management Services, Inc.
Media Distribution System With Redundant Integrated Services Layers	11652868	iHeartMedia Management Services, Inc.
Media Stream Including Embedded Contextual Markers	11659054	iHeartMedia Management Services, Inc.
Media Substitution Task Based On Broadcast Watermark	11659256	iHeartMedia Management Services, Inc.

Patent	App. No. or Reg. No.	Current Owner of Record
Adjusting Inventory Allocations At Discrete Times Without Adjusting Overall Inventory Allocations	11669847	iHeartMedia Management Services, Inc.
Delivering Enrichment Content Based On Identifier Associations	11683546	iHeartMedia Management Services, Inc.
Graphical User Interface For Content Management	11693618	iHeartMedia Management Services, Inc.
Linking Actions Associated With An Anonymous User To A Registered User Account	11710150	iHeartMedia Management Services, Inc.
Time-Based Adjustment Of Bounding Area Definitions	11735036	iHeartMedia Management Services, Inc.
Disaster Recovery In Media Broadcast System	11757960	iHeartMedia Management Services, Inc.
Media Stream Monitoring	11777825	iHeartMedia Management Services, Inc.
Verification Of Broadcast Log By Playout System	11799572	iHeartMedia Management Services, Inc.
Graphical User Interface Displaying Linked Schedule Items	11810570	iHeartMedia Management Services, Inc.
Syndicated Content Detection Using Historical Data	11816150	iHeartMedia Management Services, Inc.
Automated Generation Of Creative Parameters Based On Approval Feedback	11816705	iHeartMedia Management Services, Inc.
Synchronizing Content And Control Signals Using Jitter Buffer	11818188	iHeartMedia Management Services, Inc.
Validating Traffic Flow Predictions Based On Data From A Selected Subset Of Traffic Probe Devices	11823569	iHeartMedia Management Services, Inc.
Mobile Licensing Verification Intermediary	11876792	iHeartMedia Management Services, Inc.
Switching Emergency Action Messages Into Select Media Broadcasts	11877223	iHeartMedia Management Services, Inc.
Edge Device Disaster Recovery Mode	11930061	iHeartMedia Management Services, Inc.
Storage And Transmission Of Priority Rules And Scores In Data Management System	11941647	iHeartMedia Management Services, Inc.
Custom Reference Tag For Versioning	11943312	iHeartMedia Management Services, Inc.
Media Broadcast Content Distribution System	11943504	iHeartMedia Management Services, Inc.
Transmitting Media Item To Different Destinations Using Different Sized Chunks	11979445	iHeartMedia Management Services, Inc.

Patent	App. No. or Reg. No.	Current Owner of Record
Split Control Of Spot Breaks	11995689	iHeartMedia Management Services, Inc.
Transmission Of Feedback To Edge Transceiver Via In-Band On-Channel (IBOC) Mesh Network	11997615	iHeartMedia Management Services, Inc.
Selecting Shots For Scheduling	12001473	iHeartMedia Management Services, Inc.
System For Matching Alternate Versions Of A Song	12001477	iHeartMedia Management Services, Inc.
Multiple Station Voice Track Conflict Avoidance	12003553	iHeartMedia Management Services, Inc.
Determining A Unified Numbering System Identifier For A Work	12003557	iHeartMedia Management Services, Inc.
Selective Transmission Of Media Feedback	11966946	iHeartMedia Management Services, Inc.
Selecting Traffic Probes For Validating Traffic Flow Predictions	12033498	iHeartMedia Management Services, Inc.
Edge Device Disaster Recovery Mode	11930061	iHeartMedia Management Services, Inc.
Transferring Content To Other Media Stations	12096312	iHeartMedia Management Services, Inc.
Dynamic Media Allocation	12141821	iHeartMedia Management Services, Inc.
Conditional Insertion Of Changed Traffic Data Into The Previous Traffic Frame	12073713	iHeartMedia Management Services, Inc.
Controlling Insert on Of Content Into Broadcast Payload	12120592	iHeartMedia Management Services, Inc.
Edge Device Disaster Recovery Mode	12149576	iHeartMedia Management Services, Inc.
Dynamic Audio File Generation	16/678984	iHeartMedia Management Services, Inc.
Managing Under-Filled Spot Blocks	17/193162	iHeartMedia Management Services, Inc.
Rule Constraining Stream Assembly At Client-Side Media Player	17/388251	iHeartMedia Management Services, Inc.
Transmission Of Streaming Station Associated With Over-The-Air Broadcast Station	17/460593	iHeartMedia Management Services, Inc.
Flexible Assignment Of Media Advertising Orders To Broadcast Inventory	17/530602	iHeartMedia Management Services, Inc.
Substituting Streaming Station For Over-The-Air Broadcast	17/825012	iHeartMedia Management Services, Inc.
Podcast Interface	17/936675	iHeartMedia Management Services, Inc.

Patent	App. No. or Reg. No.	Current Owner of Record
Incorporating User-Recorded Feedback Into Media Broadcast	17/964107	iHeartMedia Management Services, Inc.
Limiting Content Of Travel-Related Messages	17/984358	iHeartMedia Management Services, Inc.
Method And System For Selectively Broadcasting Media	17/994264	iHeartMedia Management Services, Inc.
Selection Of Media Based On Edge Values Specifying Node Relationships	18/078322	iHeartMedia Management Services, Inc.
Parameters For Generating An Automated Survey	18/068726	iHeartMedia Management Services, Inc.
Automatically Synchronizing Mobile And Non-Mobile Instances Of A Customized Station	18/099027	iHeartMedia Management Services, Inc.
Automated Media Identification Using Block Comparisons Of Different Recorded Representations	18/105759	iHeartMedia Management Services, Inc.
Inserting Converted Text-Based Notifications Into A Media Stream	18/108235	iHeartMedia Management Services, Inc.
Multi-State Watermark Detector	18/133084	iHeartMedia Management Services, Inc.
Generating Media Stream Including Contextual Markers	18/135210	iHeartMedia Management Services, Inc.
Controlling Multiple Media Stations Or Streams Using A Single Graphical User Interface	18/195447	iHeartMedia Management Services, Inc.
Delivering Content To User Based On Anonymous On-Line User Activities	18/207288	iHeartMedia Management Services, Inc.
Media Stream Monitoring	18/237610	iHeartMedia Management Services, Inc.
Data Structure Used To Automate Generation Of Broadcast Schedules	18/476575	iHeartMedia Management Services, Inc.
Automatically Restricting Placement Of Media Items Within A Media Schedule	18/482490	iHeartMedia Management Services, Inc.
Manipulation Of Sequences To Identify Stations Playing Syndicated Content	18/501685	iHeartMedia Management Services, Inc.
Inserting Speech Audio File Into Schedule Based On Linkage To A Media Item	18/501760	iHeartMedia Management Services, Inc.
Automated Generation Of Creative Parameters Based On Approval Feedback	18/504664	iHeartMedia Management Services, Inc.
Delivery Of Local Content And Control Signals To Transmission Sites Via Intermediary	18/506077	iHeartMedia Management Services, Inc.
Licensing Verification Message	18/536054	iHeartMedia Management Services, Inc.

Patent	App. No. or Reg. No.	Current Owner of Record
Media Broadcast Content Distribution System	18/443805	iHeartMedia Management Services, Inc.
Custom Reference Tag For Versioning	18/585683	iHeartMedia Management Services, Inc.
Transmission Of Feedback To Edge Transceiver Via In-Band On-Channel (IBOC) Mesh Network	18/609158	iHeartMedia Management Services, Inc.
Selective Transmission Of Media Feedback	18/616892	iHeartMedia Management Services, Inc.
Conflict Messages in Conjunction with Transferring Control of Media Item Insertion	18/630428	iHeartMedia Management Services, Inc.
Multiple Station Voice Track Conflict Avoidance	18/640744	iHeartMedia Management Services, Inc.
Selecting Shots For Scheduling	18/649025	iHeartMedia Management Services, Inc.
Selecting Traffic Probes For Validating Traffic Flow Predictions	18/661007	iHeartMedia Management Services, Inc.
Transferring Content To Other Media Stations	18/779229	iHeartMedia Management Services, Inc.
Conditional Insertion Of Changed Traffic Data Into The Previous Traffic Frame	18/780578	iHeartMedia Management Services, Inc.