

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFF LITTLEJOHN	12/31/2016
ABINESHRAJ RAJAGOPAL	12/31/2016
AMIT DESHPANDE	12/31/2016
ALAN W. JURISON	12/31/2016
CHARLES E. KIRKENDALL III	12/31/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IHEARTMEDIA MANAGEMENT SERVICES, INC.
<b>Street Address:</b>	200 EAST BASSE ROAD
<b>City:</b>	SAN ANTONIO
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78209-8328
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15408081
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)327-5575
<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>	
<b>Phone:</b>	512-327-5515
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<b>ATTORNEY DOCKET NUMBER:</b>	398-DDG-07-2016
<b>NAME OF SUBMITTER:</b>	ANGIE BLAZEK
<b>SIGNATURE:</b>	/Angie Blazek/
<b>DATE SIGNED:</b>	01/17/2017
<b>Total Attachments: 4</b>	

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## ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged,  
I, an ASSIGNOR named below,

**Jeff Littlejohn of Cincinnati, OH, Abineshraj Rajagopal of Maineville, OH, Amit  
Deshpande of Mason, OH, Alan W. Jurison of Syracuse, NY, and Charles E. Kirkendall III  
of Martinsville, OH,**

hereby sell, assign and transfer to

ASSIGNEE:       **iHeartMedia Management Services, Inc.**

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,  
 U.S. Patent Application executed on \_\_\_\_\_, or  
 U.S. Provisional Application  
 U.S. Application No.: \_\_\_\_\_, filed on \_\_\_\_\_  
 International Application No.: PCT/\_\_\_\_\_, filed on \_\_\_\_\_

ENTITLED:

**DIGITAL RADIO CHANNEL ERROR DETECTION**

and naming as

INVENTOR(S):   **Jeff Littlejohn, Abineshraj Rajagopal, Amit Deshpande, Alan W.  
Jurison, and Charles E. Kirkendall III**

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above,  
(15/408,081, filed January 17, 2017) when they become known.

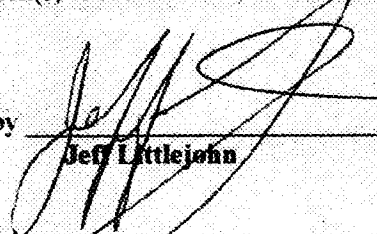
I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

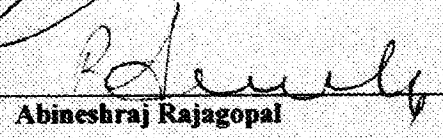
I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and

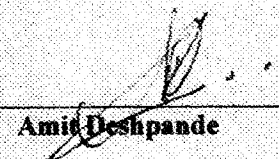
generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request, in obtaining and enforcing patents for said invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

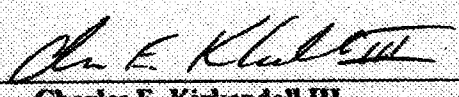
I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on Dec 31, 2016 by   
Jeff Littlejohn

Executed on Dec 31, 2016 by   
Abineshraj Rajagopal

Executed on Dec 31, 2016 by   
Amit Deshpande

Executed on Dec 31, 2016 by \_\_\_\_\_  
Alan Wayne Jurison

Executed on Dec 31, 2016 by   
Charles E. Kirkendall III

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Executed on \_\_\_\_\_, 2016 by \_\_\_\_\_  
**Jeff Littlejohn**

Executed on \_\_\_\_\_, 2016 by \_\_\_\_\_  
**Abineshraj Rajagopal**

Executed on \_\_\_\_\_, 2016 by \_\_\_\_\_  
**Amit Deshpande**

Executed on 12-31, 2016 by   
**Alan W. Jurison**

Executed on \_\_\_\_\_, 2016 by \_\_\_\_\_  
**Charles E. Kirkendall III**