506314616 10/21/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDWARD SCHELL	04/06/2020
CARL SCARPA	04/06/2020

RECEIVING PARTY DATA

Name:	SIRIUS XM RADIO INC.	
Street Address:	1221 AVENUE OF THE AMERICAS	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10020	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17075046

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	099908-31641
NAME OF SUBMITTER:	DIANE TORNIALI
SIGNATURE:	/Diane Torniali/
DATE SIGNED:	10/21/2020

Total Attachments: 2

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PATENT 506314616 REEL: 054129 FRAME: 0696

Atty Docket No.: 099908-31640

ASSIGNMENT

WHEREAS We, **Edward Schell**, a citizen of the United States of America, residing at 6 Okjin Court, Jackson, NJ 08527 and **Carl Scarpa**, a citizen of the United States of America, residing at 9 Mershon Lane, Plainsboro, NJ 08536 and, (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in **METHOD AND APPARATUS FOR ADVANCED OFDM TIMING TECHNIQUES**, which was filed on **October 17**, **2019** and for which we have executed an application for Letters Patent of the United States as Application Serial No. **16/655,859** and whereas **Sirius XM Radio Inc.**, a corporation having an office and principal place of business at 1221 Avenue of the Americas, New York, NY 10020 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for it's own use and benefit and for the use and benefit of it's successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNORS if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument; and

AND ASSIGNORS HEREBY covenant that ASSIGNORS have the full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

1

IN TESTIMONY WHEREOF, ASSIGNORS have set their bands and seal to this Assignment.

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RECORDED: 10/21/2020

REEL: 054129 FRAME: 0698