

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAYMOND LOWE	07/08/2014
CHRISTOPHER WARD	06/25/2014
CHARLES W. CHRISTINE	07/02/2014
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:	15714095
CORRESPONDENCE DATA	
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<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>	
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Correspondent Name:	KRAMER LEVIN NAFTALIS & FRANKEL LLP
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ATTORNEY DOCKET NUMBER:	099908-00307
NAME OF SUBMITTER:	DIANE TORNIALI
SIGNATURE:	/Diane Torniali/
DATE SIGNED:	10/12/2017
Total Attachments: 4	
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ASSIGNMENT

WHEREAS We, **Raymond Lowe**, a citizen of Great Britain, residing at 5 Pond View Rd., Chester, NJ 07930; **Christopher Ward**, a citizen of the United States of America, residing at 728 Bloomfield Avenue, Unit 209, Glen Ridge, NJ 07028; and **Charles W. Christine**, a citizen of the United States of America, residing at 1 Moorsleigh Way, Robbinsville, NJ 08691; (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR IMPLEMENTING CROSS-FADING, INTERSTITIALS AND OTHER EFFECTS DOWNSTREAM**, which was described and claimed in International Application No. **PCT/US2012/065943** filed on **November 19, 2012** and for which we have executed an application for Letters Patent of the United States as Application Serial No. **14/358,919**, 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;

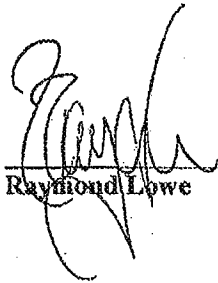
AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent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

AND 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.

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



Raymond Lowe

7/8/2004

Date

Christopher Ward

Date

Charles W. Christine

Date

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Raymond Lowe

Date

Christopher Ward

6/25/2014

Christopher Ward

Date

Charles W. Christine

Date

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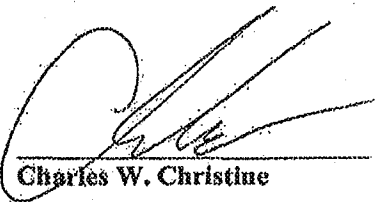
IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment.

Raymond Lowe

Date

Christopher Ward

Date



Charles W. Christine

7/2/2014
Date