

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT3602775

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAYMOND LOWE	10/28/2015
CHRISTOPHER WARD	08/13/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SIRIUS XM RADIO INC.
<b>Street Address:</b>	1221 AVENUE OF THE AMERICAS
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10036
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14725961
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)715-8100
<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>	212-715-9100
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<b>Correspondent Name:</b>	KRAMER LEVIN NAFTALIS & FRANKEL LLP
<b>Address Line 1:</b>	1177 AVENUE OF THE AMERICAS
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10036
<b>ATTORNEY DOCKET NUMBER:</b>	099908-31382
<b>NAME OF SUBMITTER:</b>	DIANE TORNIALI
<b>SIGNATURE:</b>	/Diane Torniali/
<b>DATE SIGNED:</b>	11/05/2015
<b>Total Attachments: 2</b>	
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source=099908_31382_Assignment#page2.tif	

**ASSIGNMENT**

WHEREAS We, **Raymond Lowe**, a citizen of Great Britain, residing at 5 Pond View Rd., Chester, NJ 07930; and **Christopher Ward**, a citizen of the United States of America, residing at 728 Bloomfield Avenue, Unit 209, Glen Ridge, NJ 07028; (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in **SYSTEMS, METHODS AND APPARATUS FOR GENERATING MUSIC RECOMMENDATIONS BASED ON COMBINING SONG AND USER INFLUENCERS WITH CHANNEL RULE CHARACTERIZATIONS**, and for which we have executed an application for Letters Patent of the United States filed on **May 29, 2015** and assigned Application Serial No. **14/725,961**, 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;

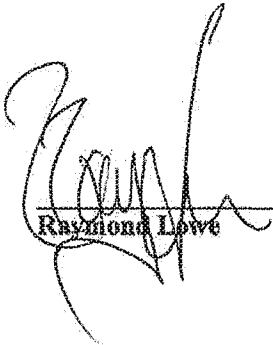
AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent 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.

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

  
\_\_\_\_\_  
Raymond Lowe

10/28/2015  
Date

  
\_\_\_\_\_  
Christopher Ward

8/13/15  
Date