

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5356100

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
WELLS FARGO BANK, NATIONAL ASSOCIATION		02/01/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	PANDORA MEDIA CALIFORNIA, LLC	
<b>Street Address:</b>	2101 WEBSTER ST., STE 1650	
<b>City:</b>	OAKLAND	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94612	
<b>Name:</b>	ADSWIZ INC.	
<b>Street Address:</b>	487A S EL CAMINO REAL	
<b>City:</b>	SAN MATEO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94402	
<b>PROPERTY NUMBERS Total: 46</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	62533618	
Application Number:	62531833	
Application Number:	62501702	
Application Number:	15405549	
Application Number:	15400559	
Application Number:	15250837	
Application Number:	15246276	
Application Number:	15246274	
Application Number:	15150240	
Application Number:	15210721	
Application Number:	15209687	
Application Number:	15011387	
Application Number:	14945252	
Application Number:	14942860	
Application Number:	14831076	

PATENT

Property Type	Number
Application Number:	14829220
Application Number:	14750022
Application Number:	14749393
Application Number:	14713688
Application Number:	14578076
Application Number:	14578057
Application Number:	14578047
Application Number:	14578041
Application Number:	14578015
Application Number:	14577974
Application Number:	14577957
Application Number:	14502120
Application Number:	14500804
Application Number:	14500777
Application Number:	14500763
Application Number:	14495534
Application Number:	14195434
Application Number:	13835040
Application Number:	13669412
Application Number:	13647993
Application Number:	13108184
Application Number:	12765525
Application Number:	12497234
Application Number:	11380563
Application Number:	10938761
Application Number:	10416478
Application Number:	10239992
Application Number:	10239990
Application Number:	10177643
Application Number:	10150876
Application Number:	09709234

#### CORRESPONDENCE DATA

Fax Number: (714)668-6355

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**PATENT**

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<b>Address Line 4:</b>	COSTA MESA, CALIFORNIA 92626

<b>ATTORNEY DOCKET NUMBER:</b>	90031-00037 LOYD
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<b>NAME OF SUBMITTER:</b>	SUNNY E. LEE
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<b>SIGNATURE:</b>	/s/ SUNNY E. LEE
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<b>DATE SIGNED:</b>	02/01/2019
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**Total Attachments: 8**

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**RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL**

This **RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL** (this “Release”) is made as of February 1, 2019 (“Effective Date”), by **WELLS FARGO BANK, NATIONAL ASSOCIATION**, a national banking association (“Wells Fargo”), in its capacity as administrative agent for each member of the Lender Group and the Bank Product Providers, as such terms are defined in the below defined Credit Agreement (in such capacity, “Agent”), in favor of **PANDORA MEDIA, INC.**, a Delaware corporation (“Pandora”), **PANDORA MEDIA CALIFORNIA, LLC**, a California limited liability company (“Pandora CA”), and **ADSWIZZ INC.**, a Delaware corporation (“Adswizz”; together with Pandora and Pandora CA, are referred to herein each individually as a “Grantor”, and individually and collectively, jointly and severally, as “Grantors”).

**WHEREAS**, reference is made to that certain Credit Agreement, dated as of December 29, 2017 (as amended, restated, supplemented, or otherwise modified from time to time, the “Credit Agreement”), by and among the lenders party thereto as “Lenders”, Agent, Pandora, the Subsidiaries of Pandora identified on the signature pages thereof as “Borrowers”, and those additional entities that thereafter became parties to the Credit Agreement as Borrowers in accordance with the terms thereof (each, a “Borrower” and individually and collectively, jointly and severally, the “Borrowers”), and JPMorgan Chase Bank, N.A., Morgan Stanley Senior Funding, Inc. and Wells Fargo, as joint lead arrangers and joint book runners;

**WHEREAS**, pursuant to the terms and conditions of that certain Patent Security Agreement, dated as of December 29, 2017 (as amended, restated, supplemented, or otherwise modified from time to time, the “Pandora Patent Security Agreement”), by and among Pandora, Pandora CA and Agent, Pandora and Pandora CA granted to Agent a Security Interest (as such term is defined in the Pandora Patent Security Agreement) (the “Pandora Security Interest”) in all of such Grantors’ right, title and interest in and to the Patent Collateral (as such term is defined in the Pandora Patent Security Agreement) (the “Pandora Patent Collateral”);

**WHEREAS**, the Pandora Patent Security Agreement was recorded with the United States Patent and Trademark Office on December 29, 2017 at Reel 044985, Frame 0009;

**WHEREAS**, Agent now desires to release its security interest in the Pandora Patent Collateral, including, without limitation, the Patents and Patent Intellectual Property Licenses listed on Schedule 1 hereto.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Agent hereby covenants and agrees as follows:

1. All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Pandora Patent Security Agreement, or as defined therein by reference.
2. Without representation or warranty of any kind or nature, Agent hereby terminates, releases, and discharges its Pandora Security Interest in the Pandora Patent Collateral, and reassigns to Grantors all right, title, and interest of Agent in the Pandora Patent Collateral.
3. Agent hereby agrees to duly execute, acknowledge, procure and deliver any further documents and to do such other acts, in each case at Grantors’ expense, as may be reasonably necessary to effect the release of the Pandora Security Interest in the Pandora Patent Collateral contemplated hereby.

4. THIS RELEASE SHALL BE SUBJECT TO THE PROVISIONS REGARDING CHOICE OF LAW AND VENUE, JURY TRIAL WAIVER, AND JUDICIAL REFERENCE SET FORTH IN SECTION 25 OF THE GUARANTY AND SECURITY AGREEMENT, AND SUCH PROVISIONS ARE INCORPORATED HEREIN BY THIS REFERENCE, MUTATIS MUTANDIS.

[Signature page follows]

**IN WITNESS WHEREOF**, Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date.

**WELLS FARGO BANK, NATIONAL  
ASSOCIATION,**  
a Delaware limited liability company, as Agent

By: 

Name: Moses Harris

Title: Authorized Signatory

[SIGNATURE PAGE TO RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL  
(PANDORA)]

**PATENT**  
**REEL: 048209 FRAME: 0930**

**SCHEDULE 1**  
**to**  
**RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL**

Attached.

# SCHEDULE 1

## Patents and Patent Applications

TITLE	OWNER	COUNTRY	PATENT NO.	ISSUED DATE	APP. NO.	FILING DATE
ARTIST AFFINITY BASED TARGETING	Pandora Media, Inc.	USA			62/533,618	7/17/2017
TARGETING FEATURED SONGS TO LISTENERS	Pandora Media, Inc.	USA			62/531,833	7/12/2017
DELIVERY OF PERSONALIZED DIGITAL CONTENT IN REAL TIME	Pandora Media, Inc.	USA			62/501,702	5/4/2017
REVIEWING MESSAGES PRESENTED DURING A STREAM OF MEDIA CONTENT	Pandora Media, Inc.	USA			15/405,549	1/13/2017
SELECTING SONGS WITH A DESIRED TEMPO	Pandora Media, Inc.	USA			15/400,559	1/6/2017
DISTRIBUTED ACCESS CONTROL VERIFICATION SYSTEM	Pandora Media, Inc.	USA			15/250,837	8/29/2016
INTERNET RADIO AND BROADCAST APPARATUS AND SYSTEM WITH MUSIC INFORMATION AND PURCHASING	Pandora Media, Inc.	USA	9741067	8/22/2017	15/246,276	8/24/2016
INTERNET RADIO AND BROADCAST VIA CROWDSOURCING APPARATUS AND SYSTEM	Pandora Media, Inc.	USA	9754309	9/5/2017	15/246,274	8/24/2016
SYSTEM AND METHOD OF PERSONALIZING PLAYLISTS USING MEMORY-BASED COLLABORATIVE FILTERING	Pandora Media, Inc.*	USA			15/150,240	7/26/2016
MEDIA CHANNEL CREATION BASED ON FREE-FORM MEDIA INPUT SEEDS	Pandora Media, Inc.	USA			15/210,721	7/14/2016
SELECTING MEDIA USING VEHICLE INFORMATION	Pandora Media, Inc.	USA			15/209,687	7/13/2016
PRESENTING ARTIST-AUTHORED MESSAGES DIRECTLY TO USERS	Pandora Media, Inc.	USA			15/011,387	1/29/2016



TITLE	OWNER	COUNTRY	PATENT NO.	ISSUED DATE	APP. NO.	FILING DATE
VIA A CONTENT SYSTEM						
PROCEDURALLY GENERATING BACKGROUND MUSIC FOR SPONSORED AUDIO	Pandora Media, Inc.	USA			14/945,252	11/18/2015
SELECTING MEDIA FOR A SOCIAL EVENT ACCORDING TO SPECIFIED EVENT PARAMETERS	Pandora Media, Inc.	USA			14/942,860	11/16/2015
INCREASING THE LIKELIHOOD OF RECEIVING FEEDBACK FOR CONTENT ITEMS	Pandora Media, Inc.	USA			14/831,076	8/20/2015
MEDIA FEATURE DETERMINATION FOR INTERNET-BASED MEDIA STREAMING	Pandora Media, Inc.	USA			14/829,220	8/18/2015
RELATING ACOUSTIC FEATURES TO MUSICOLOGICAL FEATURES FOR SELECTING AUDIO WITH SIMILAR MUSICAL CHARACTERISTICS	Pandora Media, Inc.	USA			14/750,022	6/25/2015
MEDIA CONTENT DELIVERY OVER TELEPHONE NETWORKS	Pandora Media, Inc.	USA	9736204	8/15/2017	14/749,393	6/24/2015
INTERNET RADIO SONG DEDICATION SYSTEM AND METHOD	Pandora Media, Inc.	USA			14/713,688	5/15/2015
INTERNET RADIO AND BROADCAST METHOD PERSONALIZED BY GENRE	Pandora Media, Inc.	USA	9436962	9/6/2016	14/578,076	12/19/2014
INTERNET RADIO AND BROADCAST METHOD WITH MUSIC PURCHASING	Pandora Media, Inc.	USA	9449341	9/20/2016	14/578,057	12/19/2014
INTERNET RADIO AND BROADCAST METHOD PERSONALIZED BY RATINGS FEEDBACK	Pandora Media, Inc.	USA	9424604	8/23/2016	14/578,047	12/19/2014
INTERNET RADIO AND BROADCAST METHOD WITH SELECTABLE EXPLICIT LYRICS FILTERING	Pandora Media, Inc.	USA	9299104	3/29/2016	14/578,041	12/19/2014

TITLE	OWNER	COUNTRY	PATENT NO.	ISSUED DATE	APP. NO.	FILING DATE
INTERNET RADIO AND BROADCAST METHOD PERSONALIZED BY DJ	Pandora Media, Inc.	USA	9269107	2/23/2016	14/578,015	12/19/2014
INTERNET RADIO AND BROADCAST METHOD WITH DISCOVERY SETTINGS	Pandora Media, Inc.	USA	9361645	6/7/2016	14/577,974	12/19/2014
INTERNET RADIO AND BROADCAST METHOD WITH ARTIST PORTAL	Pandora Media, Inc.	USA	9443266	9/13/2016	14/577,957	12/19/2014
COUNTRY-SPECIFIC CONTENT RECOMMENDATIONS IN VIEW OF SPARSE COUNTRY DATA	Pandora Media, Inc.	USA			14/502,120	9/30/2014
ESTIMATION OF TRUE AUDIENCE SIZE FOR DIGITAL CONTENT	Pandora Media, Inc.	USA			14/500,804	9/29/2014
DYNAMICALLY SELECTED BACKGROUND MUSIC FOR PERSONALIZED AUDIO ADVERTISEMENT	Pandora Media, Inc.	USA			14/500,777	9/29/2014
DYNAMICALLY GENERATED AUDIO IN ADVERTISEMENTS	Pandora Media, Inc.	USA			14/500,763	9/29/2014
ADVERTISEMENT SELECTION BASED ON DEMOGRAPHIC INFORMATION INFERRED FROM MEDIA ITEM PREFERENCES	Pandora Media, Inc.	USA	9729910	8/8/2017	14/495,534	9/24/2014
INTERNET RADIO AND BROADCAST METHOD	Pandora Media, Inc.	USA	9384509	7/5/2016	14/195,434	3/3/2014
SYSTEM AND METHOD OF PERSONALIZING PLAYLISTS USING MEMORY-BASED COLLABORATIVE FILTERING	Pandora Media, Inc.*	USA	9335818	5/10/2016	13/835,040	3/15/2013
METHODS AND SYSTEMS FOR UTILIZING CONTEXTUAL FEEDBACK TO GENERATE AND MODIFY PLAYLISTS	Pandora Media, Inc.	USA			13/669,412	11/5/2012
SYSTEM AND METHOD FOR COMBINING INPUTS TO GENERATE	Pandora Media, Inc.*	USA	9367587	6/14/2016	13/647,993	10/9/2012

TITLE	OWNER	COUNTRY	PATENT NO.	ISSUED DATE	APP. NO.	FILING DATE
AND MODIFY PLAYLISTS						
METHODS AND SYSTEMS FOR UTILIZING CONTEXTUAL FEEDBACK TO GENERATE AND MODIFY PLAYLISTS	Pandora Media, Inc.	USA	8306976	11/6/2012	13/108,184	5/16/2011
INTERNET RADIO AND BROADCAST METHOD	Pandora Media, Inc.	USA	8700795	4/15/2014	12/765,525	4/22/2010
CONTROLLABLE TRACK-SKIPPING	Pandora Media, Inc.	USA	8135854	3/13/2012	12/497,234	7/2/2009
METHODS AND SYSTEMS FOR UTILIZING CONTEXTUAL FEEDBACK TO GENERATE AND MODIFY PLAYLISTS	Pandora Media, Inc.	USA	7962482	6/14/2011	11/380,563	4/27/2006
MUSIC PURCHASING AND PLAYING SYSTEM AND METHOD	Pandora Media, Inc.	USA	7672873	3/2/2010	10/938,761	9/10/2004
METHOD AND SYSTEM FOR PROVIDING LISTENER-REQUESTED MUSIC OVER A NETWORK	Pandora Media, Inc.	USA	7720686	5/18/2010	10/416,478	5/9/2003
SYSTEM AND METHOD FOR PREDICTION OF MUSICAL PREFERENCES	Pandora Media, Inc.	USA	7075000	7/11/2006	10/239,992	9/27/2002
USING A SYSTEM FOR PREDICTION OF MUSICAL PREFERENCES FOR THE DISTRIBUTION OF MUSICAL CONTENT OVER CELLULAR NETWORKS	Pandora Media, Inc.	USA	7102067	9/5/2006	10/239,990	9/27/2002
CONTROLLABLE TRACK-SKIPPING	Pandora Media, Inc.	USA	7574513	8/11/2009	10/177,643	6/20/2002
CONSUMER ITEM MATCHING METHOD AND SYSTEM	Pandora Media, Inc.	USA	7003515	2/21/2006	10/150,876	5/16/2002
INTERNET RADIO AND BROADCAST METHOD	Pandora Media, Inc.	USA	7711838	5/4/2010	09/709,234	11/9/2000

\* Owned by Pandora Media, Inc. although records at USPTO currently reflect "Pandora Media" without the "Inc."

#### **Patent Licenses**

None.