

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3711384

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the REMOVE PROPERTY 14282293 AND REPLACE IT WITH 14828293 previously recorded on Reel 037569 Frame 0270. Assignor(s) hereby confirms the SECURITY AGREEMENT.
CONVEYING PARTY DATA	
Name	Execution Date
CASTTV INC.	11/04/2015
GRACENOTE, INC.	11/04/2015
TRIBUNE BROADCASTING COMPANY, LLC	11/04/2015
TRIBUNE MEDIA COMPANY	11/04/2015
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
Street Address:	10 S. DEARBORN, 7TH FLOOR
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60603
PROPERTY NUMBERS Total: 23	
Property Type	Number
Patent Number:	9106804
Patent Number:	9143718
Patent Number:	9160837
Patent Number:	9118888
Patent Number:	9137616
Patent Number:	9161067
Patent Number:	9179173
Patent Number:	9185309
Application Number:	14748631
Application Number:	14828293
Application Number:	14849370
Application Number:	14885110
Application Number:	14842270
Application Number:	14864117
Application Number:	14864636
Application Number:	14864641

PATENT

Property Type	Number
Application Number:	14864646
Application Number:	14864651
Application Number:	14871522
Application Number:	14872519
Application Number:	14826624
Application Number:	14826633
PCT Number:	US1556223

CORRESPONDENCE DATA

Fax Number: (800)494-7512

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.

Phone: 202-370-4750

Email: ipteam@nationalcorp.com

Correspondent Name: JOANNA MCCALL

Address Line 1: 1025 VERMONT AVE NW, SUITE 1130

Address Line 2: NATIONAL CORPORATE RESEARCH, LTD

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	F160846
NAME OF SUBMITTER:	KAREN S. COTTRELL
SIGNATURE:	/Karen S. Cottrell/
DATE SIGNED:	01/26/2016

Total Attachments: 7

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3705785

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
CASTTV INC.	11/04/2015
GRACENOTE, INC.	11/04/2015
TRIBUNE BROADCASTING COMPANY, LLC	11/04/2015
TRIBUNE MEDIA COMPANY	11/04/2015
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
Street Address:	10 S. DEARBORN, 7TH FLOOR
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60603
PROPERTY NUMBERS Total: 23	
Property Type	Number
Patent Number:	9106804
Patent Number:	9143718
Patent Number:	9160837
Patent Number:	9118888
Patent Number:	9137616
Patent Number:	9161067
Patent Number:	9179173
Patent Number:	9185309
Application Number:	14748631
Application Number:	14282293
Application Number:	14849370
Application Number:	14885110
Application Number:	14842270
Application Number:	14864117
Application Number:	14864636
Application Number:	14864641
Application Number:	14864646

**NOTICE AND CONFIRMATION OF GRANT OF
SECURITY INTEREST IN PATENTS**

NOTICE AND CONFIRMATION OF GRANT OF SECURITY INTEREST IN PATENTS (the "Agreement"), dated as of November 4, 2015, made by each of the Grantors indicated on the signature pages hereto (the "Grantors") in favor of JPMORGAN CHASE BANK, N.A., as Collateral Agent (the "Agent") for the Lenders that are parties to the Credit Agreement, dated as of December 27, 2013, among the Tribune Media Company (f/k/a Tribune Company) (the "Borrower"), the Lenders and the Agent (as amended, supplemented, waived or otherwise modified from time to time, the "Credit Agreement").

WHEREAS, pursuant to the Credit Agreement, the Lenders have severally agreed to make loans to the Borrower subject to the terms and conditions set forth therein; and

WHEREAS, in connection with the Credit Agreement, the Grantors and the other parties thereto have executed and delivered a Security Agreement, dated as of December 27, 2013, in favor of the Agent (together with all amendments, supplements, waivers and other modifications, if any, from time to time thereafter made thereto, the "Security Agreement"); and

WHEREAS, pursuant to the Security Agreement, each Grantor granted to the Agent, for the ratable benefit of the Secured Parties, a security interest in all of its Intellectual Property, including the Patents; and

WHEREAS, each Grantor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, each Grantor agrees as follows:

1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Credit Agreement and the Security Agreement.

2. Confirmation of Grant of Security Interest. Each Grantor hereby confirms that it granted to the Agent, for the benefit of the Secured Parties, a security interest in and continuing lien on all of such Grantor's right, title and interest in (subject only to Liens permitted under the Credit Agreement) and to all Patents now owned or anytime hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title and interest, including without limitation those Patents set forth on Schedule I hereto, and, to the extent not otherwise included, all

Proceeds and products of any and all of the foregoing and all collateral security and guarantees given by any Person with respect to the foregoing as collateral security for the prompt and complete payment and performance when due (whether as stated maturity, by acceleration or otherwise) of the Guaranteed Obligations; provided, however, that no security interest is granted in any Excluded Property.

3. Purpose. This Agreement has been executed and delivered by each Grantor for the purpose of recording the grant of security interest with the United States Patent and Trademark Office. This Agreement is expressly subject to the terms and conditions of the Security Agreement. The Security Agreement (and all rights and remedies of the Lenders thereunder) shall remain in full force and effect in accordance with its terms.

4. Acknowledgment. Each Grantor does hereby further acknowledge and affirm that the rights and remedies of the Lenders with respect to the security interest in the Patents are more fully set forth in the Credit Agreement and the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein.

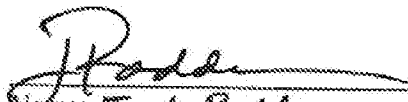
5. Counterparts. This Agreement may be executed in one or more counterparts (and by different parties hereto in different counterparts), each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Delivery by telecopier or other electronic transmission of an executed counterpart of a signature page to this Agreement shall be effective as delivery of an original executed counterpart of this Agreement. The Agent may also require that any such documents and signatures delivered by telecopier or other electronic transmission be confirmed by a manually-signed original thereof; provided that the failure to request or deliver the same shall not limit the effectiveness of any document or signature delivered by telecopier or other electronic transmission.

* * *


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IN WITNESS WHEREOF, each Grantor and the Agent have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

CASTTV INC.; GRACENOTE, INC.;
TRIBUNE BROADCASTING
COMPANY, LLC; and TRIBUNE
MEDIA COMPANY
each as a Grantor

By: 
Name: Jack Rodden
Title: SVP/Treasurer

JPMORGAN CHASE BANK, N.A.,
as Agent

By: 
Name: John G. Kowalczyk
Title: Executive Director

SCHEDULE I

Issued Patents

<u>Title</u>	<u>Reg. No.</u>	<u>Issue Date</u>	<u>Owner</u>
Synthesizing a Presentation of a Multimedia Event	9,106,804	08/11/2015	Gracenote, Inc.
Method and Apparatus for Selection of Content From a Stream of Data	9,143,718	09/22/2015	Gracenote, Inc.
Systems and Methods for Interactive Streaming Content Apparatus	9,160,837	10/13/2015	Gracenote, Inc.
News Production System with Integrated Display	9,118,888	08/25/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Identifying a Mute/Sound Frame Attribute	9,137,616	09/15/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Determining a Time Period Remaining Until a Live Production System Changes States	9,161,067	10/13/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Processing a Traffic Log Having an Optional-Promotion Log Entry	9,179,173	11/3/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Causing a Stunt Switcher to Run a Snipe-Overlay DVE	9,185,309	11/10/2015	Tribune Broadcasting Company, LLC

Pending Patent Applications

Title	App. No.	Filing Date	Owner
Clustering Multimedia Search	14/748,631	10/08/2015	CastTV Inc.
Search and Identification of Video Content	14/828,293	08/17/2015	Gracenote, Inc.
Machine-Control of a Device Based on Machine-Detected Transitions	14/849,370	09/09/2015	Gracenote, Inc.
Media Fingerprinting and Identification System	14/885,110	10/16/2015	Gracenote, Inc.
Systems and Methods for Determining a Time Period Remaining Until a Live Production System Changes States	14/842,270	09/01/2015	Tribune Broadcasting Company, LLC
System and Corresponding Method for Facilitating Application of a Digital Video-Effect to a Temporal Portion of a Video Segment	14/864,117	09/24/2015	Tribune Broadcasting Company, LLC
System and Corresponding Method for Facilitating Application of a Digital Video-Effect to a Temporal Portion of a Video Segment	14/864,636	09/24/2015	Tribune Broadcasting Company, LLC
Video-Broadcast System with DVE-Related Alert Feature	14/864,641	09/24/2015	Tribune Broadcasting Company, LLC
System and Corresponding Method for Facilitating Application of a Digital Video-Effect to a Temporal Portion of a Video Segment	14/864,646	09/24/2015	Tribune Broadcasting Company, LLC

Title	App. No.	Filing Date	Owner
System and Corresponding Method for Facilitating Application of a Digital Video-Effect to a Temporal Portion of a Video Segment	14/864,651	09/24/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Causing a Stunt Switcher to Run a Snipe-Overlay DVE	14/871,522	09/30/2015	Tribune Broadcasting Company, LLC
Systems and Methods for Processing a Traffic Log Having an Optional-Promotion Log Entry	14/872,519	10/01/2015	Tribune Broadcasting Company, LLC
Computing System with Dynamic Web Page Feature	14/826,624	08/14/2015	Tribune Media Company
Computing System with Dynamic Web Page Feature	14/826,633	08/14/2015	Tribune Media Company
Computing System with Dynamic Web Page Feature	PCT/US15/56223	10/19/2015	Tribune Media Company