

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3430089

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
ZEITERA, LLC	07/01/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	GRACENOTE, INC.
<b>Street Address:</b>	2000 POWELL STREET, SUITE 1500
<b>City:</b>	EMERYVILLE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94608

**PROPERTY NUMBERS Total: 45**

Property Type	Number
Application Number:	60640870
PCT Number:	US2005047293
Application Number:	60944643
Application Number:	60944668
Patent Number:	8229227
Patent Number:	8171030
Application Number:	61078941
Application Number:	61181521
Application Number:	61181806
Application Number:	61185670
Patent Number:	8385644
Patent Number:	8189945
Application Number:	61266668
Patent Number:	8195689
Application Number:	61331965
Patent Number:	8335786
Application Number:	61393971
Patent Number:	8666152
Application Number:	61423205
Patent Number:	8655878

PATENT

Property Type	Number
Application Number:	61543943
Application Number:	61544035
Patent Number:	8959108
Application Number:	13327359
Application Number:	61601234
Application Number:	61610672
Application Number:	13432914
Patent Number:	8781245
Patent Number:	8364703
Patent Number:	8666168
Application Number:	13590701
Application Number:	13647996
Patent Number:	8688731
Application Number:	13826502
Application Number:	61813305
Patent Number:	9053104
Patent Number:	8965863
Patent Number:	9058355
Application Number:	14255742
Application Number:	14298261
Application Number:	14589366
Application Number:	14711054
Application Number:	14718218
Application Number:	62171820
Application Number:	11317781

**CORRESPONDENCE DATA**

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**Correspondent Name:** MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP  
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**Address Line 4:** CHICAGO, ILLINOIS 60606

<b>ATTORNEY DOCKET NUMBER:</b>	2368.12
<b>NAME OF SUBMITTER:</b>	GAVIN J. O'KEEFE
<b>SIGNATURE:</b>	/Gavin J. O'Keefe/

<b>DATE SIGNED:</b>	07/08/2015
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**Total Attachments: 7**

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## PATENT ASSIGNMENT

**THIS PATENT ASSIGNMENT** (this "Assignment") is made as of July 1, 2015 (the "Effective Date") by Zeitera, LLC, a Delaware limited liability company (the "Assignor"), for the benefit of Gracernote, Inc., a Delaware corporation (the "Assignee"). All capitalized terms used herein but not otherwise defined herein shall have the meanings given them in the Purchase Agreement (as defined below).

**WHEREAS**, pursuant to that certain Asset Purchase Agreement dated as of June 29, 2015 between Assignor and Assignee (as amended, modified, supplemented or otherwise changed from time to time, the "Purchase Agreement"), the Assignor has agreed to sell, assign, transfer, convey and deliver to the Assignee, all of the Assignor's right, title and interest in or relating to the expired and/or pending patent applications and issued patents set forth in Schedule A attached hereto (collectively, the "Patents"); and

**WHEREAS**, the execution and delivery of this Assignment by the Assignor is a condition to the obligations of the Purchaser to consummate the transactions contemplated by the Purchase Agreement.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor does hereby irrevocably and unconditionally assign, transfer and set over to the Assignee its entire right, title and interest in and to the Patents, in the United States and for all foreign countries, including but not limited to any reissues, divisions, continuations, continuations-in-part, reexaminations, extensions, revisions or improvements thereof and foreign equivalents thereof, and including the inventions disclosure therein and the subject matter of all claims that may be obtained therefrom, for the Assignee's own use and enjoyment, and for the use and enjoyment of the Assignee's successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment and sale had not been made; together with all income, royalties, damages or payments due or payable as of the date hereof or thereafter, including, without limitation, (a) all rights, interests, claims and demands recoverable in law or equity that the Assignor has or may have in profits and damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for, and collect the same for the Assignee's own use and enjoyment, and for the use and enjoyment of the Assignee's successors, assigns, or other legal representatives and (b) all rights to apply for registrations in foreign countries that the Assignor has or may have with respect to any of the foregoing with full benefit of such priorities as may now or hereafter be granted to it by law or treaty, including but not limited to any international convention.

The Assignor authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to record the Assignee as owner of the Patents, including but not limited to any reissues, divisions, continuations, continuations-in-part, reexaminations, extensions, revisions, or

improvements thereof, and to issue all letters patent of the United States, and foreign countries, thereon to the Assignee, as assignee of its entire right, title and interest in, to and under the same, for the sole use and enjoyment of the Assignee, its successors, assigns or other legal representatives.

At any time or from time to time after the date hereof, the Assignor shall, at the request of the Assignee, execute and deliver any further instruments or documents and take all such further action as the Assignee may reasonably request in order to evidence the consummation of this Assignment.

Except as specifically set forth in the Purchase Agreement, the Assignor makes no representation or warranty with respect to the Patents assigned hereby, and the provisions of this Assignment shall not in any way modify, replace, amend or waive any of the representations, warranties, covenants and agreements of the Assignor contained in the Purchase Agreement, this Assignment being intended solely to effect the assignment of the Patents pursuant to the Purchase Agreement.

This Assignment shall be governed by and construed in accordance with the laws of the United States in respect of patent issues, and in all other respects, including but not limited to as to validity, interpretation and effect, by the laws of the State of New York applicable to agreements made and to be performed wholly within such jurisdiction without giving effect to any choice or conflict of law provision or rule that would cause the application of the domestic substantive laws of any other jurisdiction.

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**Schedule A**

Country/ Type	Filing Date; Issue Date	Appl. No.; Pat No.	Title
US	12/30/2004	60/640870	Database query processor
US	12/23/2005	11/317781	Database query processor
PCT	12/28/2005	PCT/US05/47293	Database query processor
US	6/18/2007	60/944643	Methods and Apparatus for Providing a Scalable Identification of Digital Video Sequences
US	6/18/2007	60/944668	Method and Apparatus for Multi-Dimensional Content Search
US	6/18/2008	12/141163	Methods and Apparatus for Providing a Scalable Identification of Digital Video Sequences
	7/24/2012	8229227	
US	6/18/2008	12/141337	Method and Apparatus for Multi-Dimensional Content Search and Video Identification
	5/1/2012	8171030	
US	7/8/2008	61/078941	Digital Video Fingerprinting Based on Resultant Weighted Gradient Orientation Computation
US	5/27/2009	61/181521	Digital Video Content Fingerprinting Based on Scale Invariant Interest Region Detection with an Array of Anisotropic Filters
US	5/28/2009	61/181806	Multi-Media Content Identification Using Multi-Level Content Signature Correlation and Fast Similarity Search
US	6/10/2009	61/185670	Highly Scalable, Accurate and Distortion-Robust Media Fingerprinting and Identification System
US	6/25/2009	12/491896	Digital Video Fingerprinting Based on Resultant Weighted Gradient Orientation Computation
	2/26/2013	8385644	
US	11/5/2009	12/612729	Digital Video Content Fingerprinting Based on Scale Invariant Interest Region Detection with an Array of Anisotropic Filters
	5/29/2012	8189945	
US	12/4/2009	61/266668	Digital Video Content Fingerprinting

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			Using Image Pixel Intensity and Color Information
US	5/3/2010	12/772566	Media Fingerprinting and Identification System
	6/5/2012	8195689	
US	5/6/2010	61/331965	Scalable, Adaptable, and Manageable System for Multimedia Identification
US	5/27/2010	12/788796	Multi-Media Content Identification Using Multi-Level Content Signature Correlation and Fast Similarity Search
	12/18/2012	8335786	
US	10/18/2010	61/393971	Distributed and Tiered Architecture for Content Search and Content Monitoring
US	11/29/2010	12/955416	Digital Video Content Fingerprinting Using Image Pixel Intensity and Color Information
	3/4/2014	8666152	
US	12/15/2010	61/423205	TV Content Segmentation, Categorization and Identification and Time-Aligned Applications
US	5/6/2011	13/102479	Scalable, Adaptable, and Manageable System for Multimedia Identification
	2/18/2014	8655878	
US	10/6/2011	61/543943	Robust Audio Identification and Time-Aligned Applications
US	10/6/2011	61/544035	Audio Content Fingerprinting Based on Two-Dimensional Constant Q-Factor Transform Representation
US	10/18/2011	13/276110	Distributed and Tiered Architecture for Content Search and Content Monitoring
	2/17/2015	8959108	
US	12/15/2011	13/327359	TV Content Segmentation, Categorization and Identification and Time-Aligned Applications
US	2/21/2012	61/601234	Methods and Apparatus for Synchronous Television/Media Content Identification on Mobile/Media Devices
US	3/14/2012	61/610672	Method for Efficient Database Formation and Search on Media Devices Acting Synchronously with Television Programming
US	3/28/2012	13/432914	Method and Apparatus for Multi-Dimensional Content Search and Video Identification
US	4/25/2012	13/455560	Digital Video Content Fingerprinting Based on Scale Invariant Interest Region Detection with an Array of Anisotropic Filters
	7/15/2014	8781245	
US	5/3/2012	13/463137	Media Fingerprinting and Identification System
	1/29/2013	8364703	

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US	6/5/2012	13/488568	Methods and Apparatus for Providing a Scalable Identification of Digital Video Sequences
	3/4/2014	8666168	
US	8/21/2012	13/590701	Media Content Identification on Mobile Devices
US	10/9/2012	13/647996	Audio Content Fingerprinting Based on Two-Dimensional Constant Q-Factor Transform Representation and Robust Audio Identification for Time-Aligned Applications
US	12/19/2012	13/719603	Media Fingerprinting and Identification System
	4/1/2014	8688731	
US	3/14/2013	13/826502	Method for Efficient Database Formation and Search on Media Devices Acting Synchronously with Television Programming
US	4/18/2013	61/813305	A Method to Remember the Tag, Comment, Share, Remember, and Organize Multimedia Content
US	10/22/2013	14/059688	Media Fingerprinting and Identification System
	6/9/2015	9053104	
US	1/9/2014	14/151294	Scalable, Adaptable, and Manageable System for Multimedia Identification
	2/24/2015	8965863	
US	1/9/2014	14/151335	Scalable, Adaptable, and Manageable System for Multimedia Identification
	6/16/2015	9058355	
US	4/17/2014	14/255742	Systems and Methods to Associate Multimedia Tags with User Comments and Generate User Modifiable Snippets Around a Tag Time for Efficient Storage and Sharing of Tagged Items
US	6/6/2014	14/298261	Digital Video Content Fingerprinting Based on Scale Invariant Interest Region Detection with an Array of Anisotropic Filters
US	1/5/2015	14/589366	Distributed and Tiered Architecture for Content Search and Content Monitoring
US	5/13/2015	14/711054	Media Fingerprinting and Identification System
US	5/21/2015	14/718218	Scalable, Adaptable, and Manageable System for Multimedia Identification
US	6/5/2015	62/171820	Logo Recognition in Images and Video

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# CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of San Mateo }

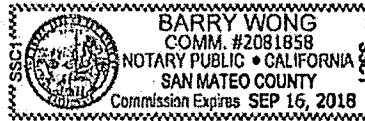
On June 30, 2015 before me, Barry Wong, Notary Public  
(Print inson Name and Title of the officer)

personally appeared Lawrence Berklin,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Barry Wong  
Notary Public Signature (Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

**DESCRIPTION OF THE ATTACHED DOCUMENT**  
Patent Assignment  
(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 6 Document Date 6/30/15

**CAPACITY CLAIMED BY THE SIGNER**

Individual (s)  
 Corporate Officer  
CEO  
(Title)

Partner(s)  
 Attorney-In-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is/are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary)
- Securely attach this document to the signed document with a staple

2012 Version www.NotaryOnline.com 800-873-1815