

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAEHYUNG LEE	02/23/2017
DEWEY HO LEE	02/23/2017
MARKUS CREMER	02/23/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GRACENOTE, INC.
<b>Street Address:</b>	2000 POWELL STREET
<b>Internal Address:</b>	SUITE 1380
<b>City:</b>	EMERYVILLE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94608
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15929180
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	3129130001
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<b>Correspondent Name:</b>	MCDONNELL BOEHNNEN HULBERT & BERGHOF LLP
<b>Address Line 1:</b>	300 S. WACKER DRIVE
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	16-190-CON3
<b>NAME OF SUBMITTER:</b>	LAWRENCE H. AARONSON
<b>SIGNATURE:</b>	/Lawrence H. Aaronson/
<b>DATE SIGNED:</b>	12/06/2019
<b>Total Attachments: 2</b>	
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source=16-190-CON3_assignment#page2.tif	

ASSIGNMENT

Attorney Docket No.: 16-190

Pat. App. No.:

Inventor(s): Jaehyung Lee, Dewey Ho Lee, Markus Cremer

Filing Date:

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

Gracenote, Inc.

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**MEDIA CHANNEL IDENTIFICATION AND ACTION  
WITH MULTI-MATCH DETECTION AND DISAMBIGUATION  
BASED ON MATCHING WITH DIFFERENTIAL  
REFERENCE-FINGERPRINT FEATURE**

and identified as:

Attorney Docket No. 16-190

in the law offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

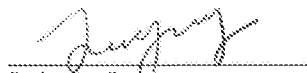
The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and the application number of said application when officially known.

The undersigned warrant himself or herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

The undersigned agrees that an electronic signature is sufficient to execute this Assignment.

Signature:

Name:

  
Jaehyung Lee

Date:

Feb 23, 2017

Signature:

Name:

Dewey Ho Lee

Date:

Signature:

Name:

Markus Cremer

Date:

**ASSIGNMENT**

Attorney Docket No.: 16-190

Pat. App. No.:

Inventor(s): Jaehyung Lee, Dewey Ho Lee, Markus Cremer

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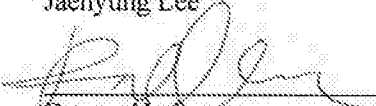
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: Jaehyung Lee

Signature:  Date: 02/23/17

Name: Dewey Ho Lee

Signature:  Date: 02/23/17

Name: Markus Cremer