PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KURT R. THIELEN	10/08/2018
SHASHANK C. MERCHANT	10/05/2018
PETER DUNKER	10/07/2018
MARKUS K. CREMER	10/08/2008
STEVEN D. SCHERF	10/04/2018

RECEIVING PARTY DATA

Name:	GRACENOTE, INC.
Street Address:	2000 POWELL STREET
Internal Address:	SUITE 1380
City:	EMERYVILLE
State/Country:	CALIFORNIA
Postal Code:	94608

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16790335

CORRESPONDENCE DATA

Fax Number: (312)913-0002

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MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	18-1225-US-CON
NAME OF SUBMITTER:	LAWRENCE H. AARONSON
SIGNATURE:	/Lawrence H. Aaronson/
DATE SIGNED:	02/14/2020

Total Attachments: 6

PATENT REEL: 051820 FRAME: 0445

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PATENT REEL: 051820 FRAME: 0446

ASSIGNMENT

Attorney Docket No.: 18-1225-US Pat. App. No.: 16/166,948

Inventor(s): Kurt R. Thielen, Shashank C. Merchant,

Peter Dunker, Markus K. Cremer

Filing Date: Oct. 22, 2018

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:

DYNAMIC CONTROL OF FINGERPRINTING RATE TO FACILITATE TIME-ACCURATE REVISION OF MEDIA CONTENT

and identified as:

Attorney Docket No. 18-1225-US

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:	Kurt R. Thielen	Date: lo 8/2018
Signature: Name:	Shashank C. Merchant	Date:
Signature: Name:	Peter Dunker	Date:
Signature: Name:	Markus K. Cremer	Date:
Signature: Name:	Steven D. Scherf	Date:

MCDONNELL BOEHNEN HULBERT & BERGHOFF LLF 300 SOUTH WACKER DRIVE CHICAGO, ILLINOIS 60608 TELEPHONE (312) 913-0001

Signature: Name:	Kurt R. Thielen	Date:
Signature: Name:	Shashank C. Merchant	Date: 10/5/20/8
Signature: Name:	Peter Dunker	Date:
Signature: Name:	Markus K. Cremer	Date:
Signature: Name:	Steven D. Scherf	Date:

Signature: Name:	Kurt R. Thielen	Date:
Signature: Name:	Shashank C. Merchant	Date:
Signature: Name:	Peter Dunker	Date:10/7/2018
Signature: Name:	Markus K. Cremer	Date:
Signature: Name:	Steven D. Scherf	Date:

Signature: Name:	Kurt R. Thielen	Date:
Signature: Name:	Shashank C. Merchant	Date:
Signature: Name:	Peter Dunker	Date:
Signature: Name:	Markus K. Cremer	Date: 10/8/18
Signature: Name:	Steven D. Scherf	Date:

Signature:		Date:
Name:	Kurt R. Thielen	
Signature: Name:	Shashank C. Merchant	Date:
Signature: Name:	Peter Dunker	Date:
Signature: Name:	Markus K. Cremer	Date:
Signature: Name:	Steven D. Scherf	Date:

PATENT REEL: 051820 FRAME: 0452