

# (12) International Application Status Report

**Received at International Bureau:** 24 September 2017 (24.09.2017)

**Information valid as of:** 25 February 2019 (25.02.2019)

**Report generated on:** 19 January 2021 (19.01.2021)

**(10) Publication number:**

WO2019/054992

**(43) Publication date:**

21 March 2019 (21.03.2019)

**(26) Publication language:**

English (EN)

**(21) Application Number:**

PCT/US2017/051209

**(22) Filing Date:**

12 September 2017 (12.09.2017)

**(25) Filing language:**

English (EN)

**(51) International Patent Classification:**

*H04N 21/485* (2011.01); *H04N 21/439* (2011.01); *H04N 21/81* (2011.01); *H04N 21/84* (2011.01); *H04N 21/845* (2011.01); *H04N 21/45* (2011.01); *H04N 21/4545* (2011.01)

**(71) Applicant(s):**

ROVI GUIDES, INC. [US/US]; Two Circle Star Way San Carlos, CA 94070 (US) *(for all designated states)*

**(72) Inventor(s):**

YELTON, Alexis; 60 Adams St. Apt. 3F Somerville, MA 02145 (US)

**(74) Agent(s):**

GUILIANO, Joseph, M.; Haley Guiliano LLP 75 Broad Street, Suite 1000 New York, NY 10004 (US)

**(54) Title (EN):** SYSTEMS AND METHODS FOR DETERMINING WHETHER TO ADJUST VOLUMES OF INDIVIDUAL AUDIO COMPONENTS IN A MEDIA ASSET BASED ON A TYPE OF A SEGMENT OF THE MEDIA ASSET

**(54) Title (FR):** SYSTÈMES ET PROCÉDÉS DE DÉTERMINATION DE L'OPPORTUNITÉ DE RÉGLER DES VOLUMES DE COMPOSANTES AUDIO INDIVIDUELLES DANS UN CONTENU MULTIMÉDIA SUR LA BASE D'UN TYPE D'UN SEGMENT DU CONTENU MULTIMÉDIA

**(57) Abstract:**

**(EN):** Systems and methods are provided herein for determining whether to adjust volumes of individual audio components in a media asset based on a type of segment of the media asset that is playing back. A media guidance application may determine that a user is playing back a segment of a media asset. The media guidance application may determine a type corresponding to the segment. The media guidance application may parse a plurality of audio components of the media asset that are playing back during the segment. The media guidance application may determine, for each audio component, whether to adjust the volume playing back during the segment based on the type. For each audio component of the plurality of audio components, in response to determining to adjust the volume, the media guidance application may adjust the volume of the audio component playing back during the segment.

**(FR):** L'invention concerne des systèmes et des procédés permettant de déterminer l'opportunité de régler des volumes de composantes audio individuelles dans un contenu multimédia sur la base d'un type de segment du contenu multimédia qui est en train d'être reproduit. Une application de guidage multimédia peut déterminer qu'un utilisateur lit un segment d'un contenu multimédia. L'application de guidage multimédia peut déterminer un type correspondant au segment. L'application de guidage multimédia peut analyser une pluralité de composantes audio du contenu multimédia qui sont lues pendant le segment. L'application de guidage multimédia peut déterminer, pour chaque composante audio, l'opportunité de régler le volume de lecture pendant le segment sur la base du type. Pour chaque composante audio parmi la pluralité de composants audio, en réponse à la détermination de régler le volume, l'application de guidage multimédia peut régler le volume de la composante audio en cours de lecture pendant le segment.

**International search report:**

Received at International Bureau: 04 December 2017 (04.12.2017) [EP]

**International Report on Patentability (IPRP) Chapter II of the PCT:**

Not available

**(81) Designated States:**

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM