



(51) International Patent Classification:

G11B 27/034 (2006.01) H04N 5/76 (2006.01)
G11B 27/036 (2006.01) H04N 7/16 (2006.01)
G11B 27/10 (2006.01) H04N 7/173 (2006.01)

(21) International Application Number:

PCT/US2009/037183

(22) International Filing Date:

13 March 2009 (13.03.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/052,623 20 March 2008 (20.03.2008) US

(71) Applicant (for all designated States except US): **DISH NETWORK LLC** [US/US]; 9601 S. Meridian Blvd., Englewood, CO 80112 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GRATTON, Max, S.** [US/US]; 14654 W. Vassar Dr., Lakewood, CO 80228 (US).(74) Agents: **GRATTON, Max, Stephen** et al.; Dish Network Llc, Legal Department, 9601 S. Meridian Blvd., Englewood, CO 80112 (US).

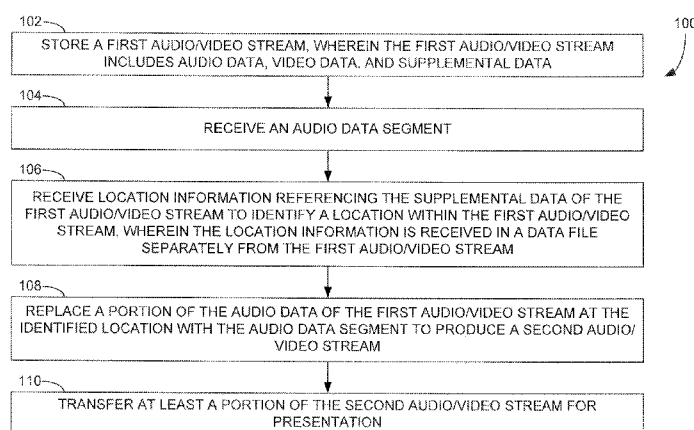
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: METHOD AND APPARATUS FOR REPLACEMENT OF AUDIO DATA IN A RECORDED AUDIO/VIDEO STREAM

**FIG. 1**

(57) Abstract: A method for replacing audio data within a recorded audio/video stream is presented (100). In the method, a first audio/video stream including audio data, video data, and supplemental data is stored (102). Location information is received which references the supplemental data to identify a location within the first audio/video stream (106). The location information is received in a data file separately from the first audio/video stream (106). Also received is an audio data segment (108). At least a portion of the audio data of the first audio/video stream is replaced at the identified location with the audio data segment to produce a second audio/video stream (108). At least a portion of the second audio/video stream is then transferred for presentation (110).