(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
9 June 2011 (09.06.2011)

PCT

(10) International Publication Number
WO 2011/069035 A1

(51) International Patent Classification:
G06F 17/30 (2006.01)

(21) International Application Number:
PCT/US2010/058838

(22) International Filing Date:
3 December 2010 (03.12.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/631,786 4 December 2009 (04.12.2009) US
12/631,790 4 December 2009 (04.12.2009) US

(71) Applicant *(for all designated States except US)*: **TIVO INC.** [US/US]; 2160 Gold Street, Alviso, California 95002-2160 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **PONIATOWSKI, Bob** [US/US]; 2160 Gold Street, Alviso, California 95002-2160 (US). **MATTHEWS, Richard** [US/US]; 2160 Gold Street, Alviso, California 95002-2160 (US).

(74) Agents: **SHAH, Varun** et al.; 2055 Gateway Place, Suite 550, San Jose, California 95110-1083 (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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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), 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))*

(54) Title: MULTIFUNCTION MULTIMEDIA DEVICE

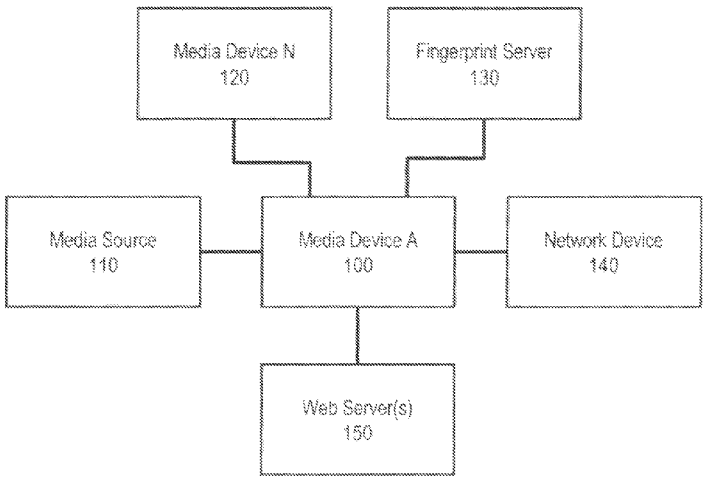

FIGURE 1A

(57) Abstract: A method for interpreting messages, user-defined alert conditions, voice commands and performing an action in response is described. A method for annotating media content is described. A method for presenting additional content associated with media content identified based on a fingerprint is described. A method for identifying that an advertisement portion of media content is being played based on a fingerprint derived from the media content is described. A method of one media device recording particular media content automatically in response to another media device recording the particular media content is described. A method of concurrently playing media content on multiple devices is described. A method of publishing information associated with recording of media content is described. A method of deriving fingerprints by media devices that meet an idleness criteria is described. A method of recording or playing media content identified based on fingerprints is described.

WO 2011/069035 A1