

EXHIBIT E



(12) **United States Patent**
Haughawout et al.

(10) **Patent No.:** **US 10,600,317 B2**
(45) **Date of Patent:** ***Mar. 24, 2020**

(54) **SYSTEM AND METHOD FOR SIMPLIFIED SETUP OF A UNIVERSAL REMOTE CONTROL**

(58) **Field of Classification Search**
CPC H04N 5/4403; H04N 2005/4435; G08C 2201/92

(Continued)

(71) Applicant: **Universal Electronics Inc.**, Santa Ana, CA (US)

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(73) Assignee: **Universal Electronics Inc.**, Santa Ana, CA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(Continued)

This patent is subject to a terminal disclaimer.

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(65) **Prior Publication Data**

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(74) *Attorney, Agent, or Firm* — Greenberg Traurig, LLP

Related U.S. Application Data

(57) **ABSTRACT**

(63) Continuation of application No. 15/843,407, filed on Dec. 15, 2017, now Pat. No. 10,311,716, which is a (Continued)

A system and method for enabling set up of a controlling device capable of controlling a plurality of appliances, via an interactive instruction set and associated programming. The programming is accessible by a STB or other controllable appliance and is configured to appropriately display interactive instructions and prompts to a user during a user initiated set up procedure for configuration of another controllable device (e.g., DVD, VCR, DVR, etc) available to the user. Appropriate set up data, generally in the form of command library codes, is displayed to the user by the interactive instruction set and associated programming for entry and trial by the user in set up of the desired appliance(s).

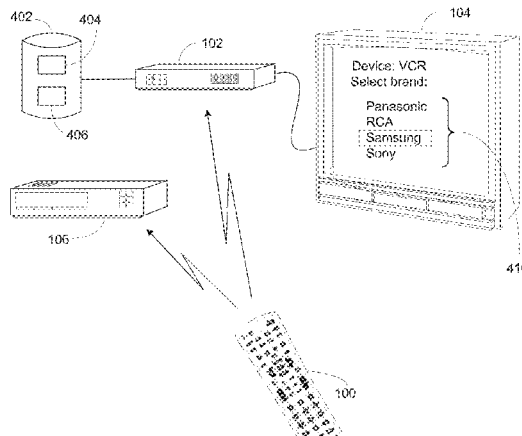
(51) **Int. Cl.**
H04N 5/44 (2011.01)
G08C 17/02 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **G08C 17/02** (2013.01); **G08C 19/00** (2013.01); **G08C 19/28** (2013.01); **H04N 5/4403** (2013.01);

(Continued)

11 Claims, 10 Drawing Sheets



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Related U.S. Application Data

continuation of application No. 15/226,742, filed on Aug. 2, 2016, now Pat. No. 9,978,263, which is a continuation of application No. 14/699,625, filed on Apr. 29, 2015, now Pat. No. 9,489,835, which is a continuation of application No. 14/036,435, filed on Sep. 25, 2013, now Pat. No. 9,047,761, which is a continuation of application No. 13/443,435, filed on Apr. 10, 2012, now Pat. No. 8,854,556, which is a continuation of application No. 13/026,768, filed on Feb. 14, 2011, now Pat. No. 8,525,938, which is a continuation of application No. 12/768,325, filed on Apr. 27, 2010, now Pat. No. 7,969,514, which is a continuation of application No. 11/515,962, filed on Sep. 5, 2006, now Pat. No. 7,907,222.

(60) Provisional application No. 60/715,229, filed on Sep. 8, 2005.

(51) **Int. Cl.**

G08C 19/00 (2006.01)
H04N 21/422 (2011.01)
H04N 21/433 (2011.01)
H04N 5/445 (2011.01)
H04N 21/6547 (2011.01)
G08C 19/28 (2006.01)
H04N 21/436 (2011.01)
H04N 21/262 (2011.01)
H04N 21/485 (2011.01)

(52) **U.S. Cl.**

CPC **H04N 5/445** (2013.01); **H04N 21/4221** (2013.01); **H04N 21/42221** (2013.01); **H04N 21/42225** (2013.01); **H04N 21/42226** (2013.01); **H04N 21/433** (2013.01); **H04N 21/6547** (2013.01); **G08C 2201/20** (2013.01); **G08C 2201/30** (2013.01); **G08C 2201/92** (2013.01); **H04N 21/26291** (2013.01); **H04N 21/42227** (2013.01); **H04N 21/43615** (2013.01); **H04N 21/485** (2013.01); **H04N 2005/4435** (2013.01)

(58) **Field of Classification Search**

USPC 348/734, 552, 14.05, 14.04, 114; 340/815.6, 12.22, 426.13, 426.14, 12.28; 725/80, 81
 See application file for complete search history.

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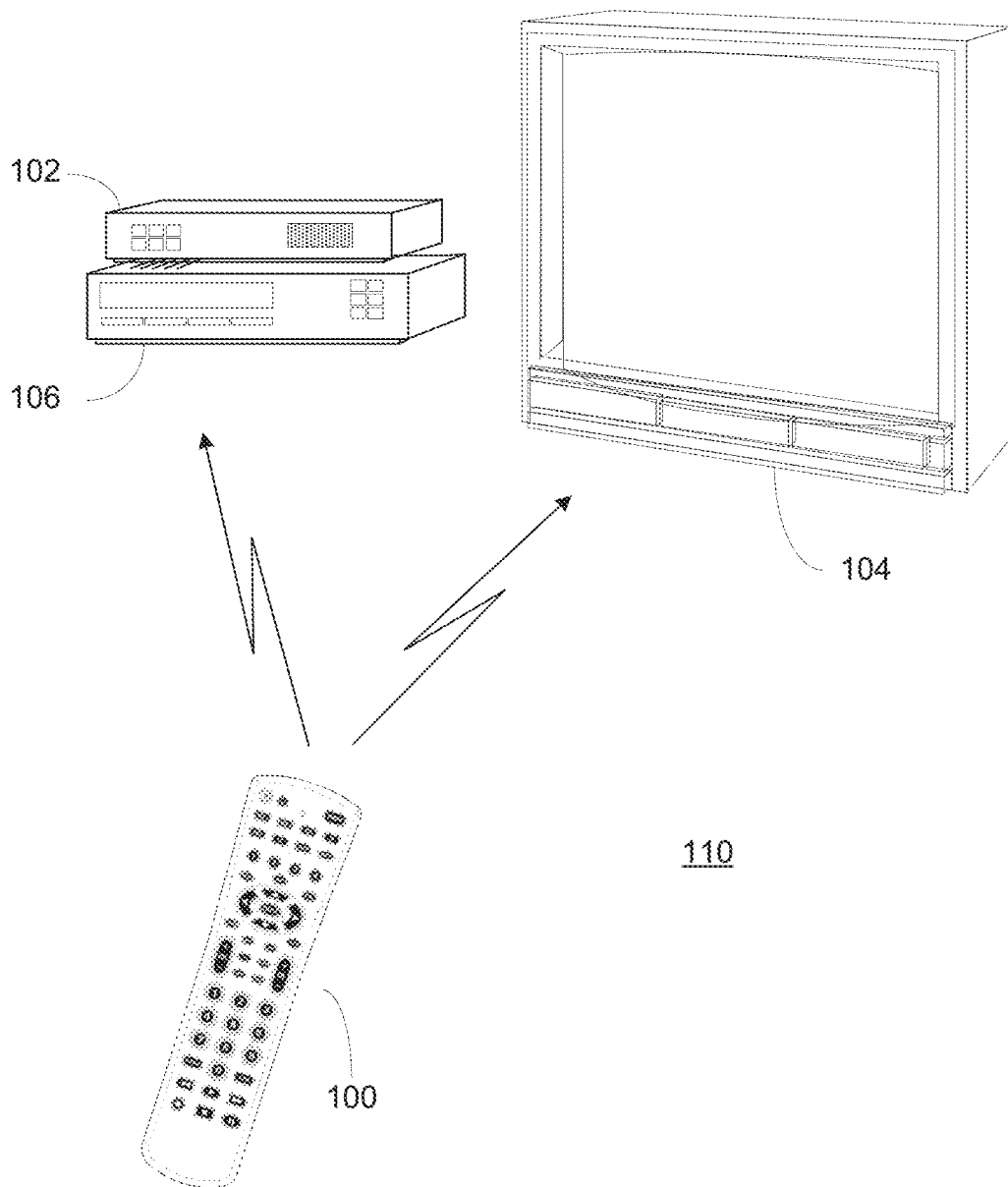


FIGURE 1

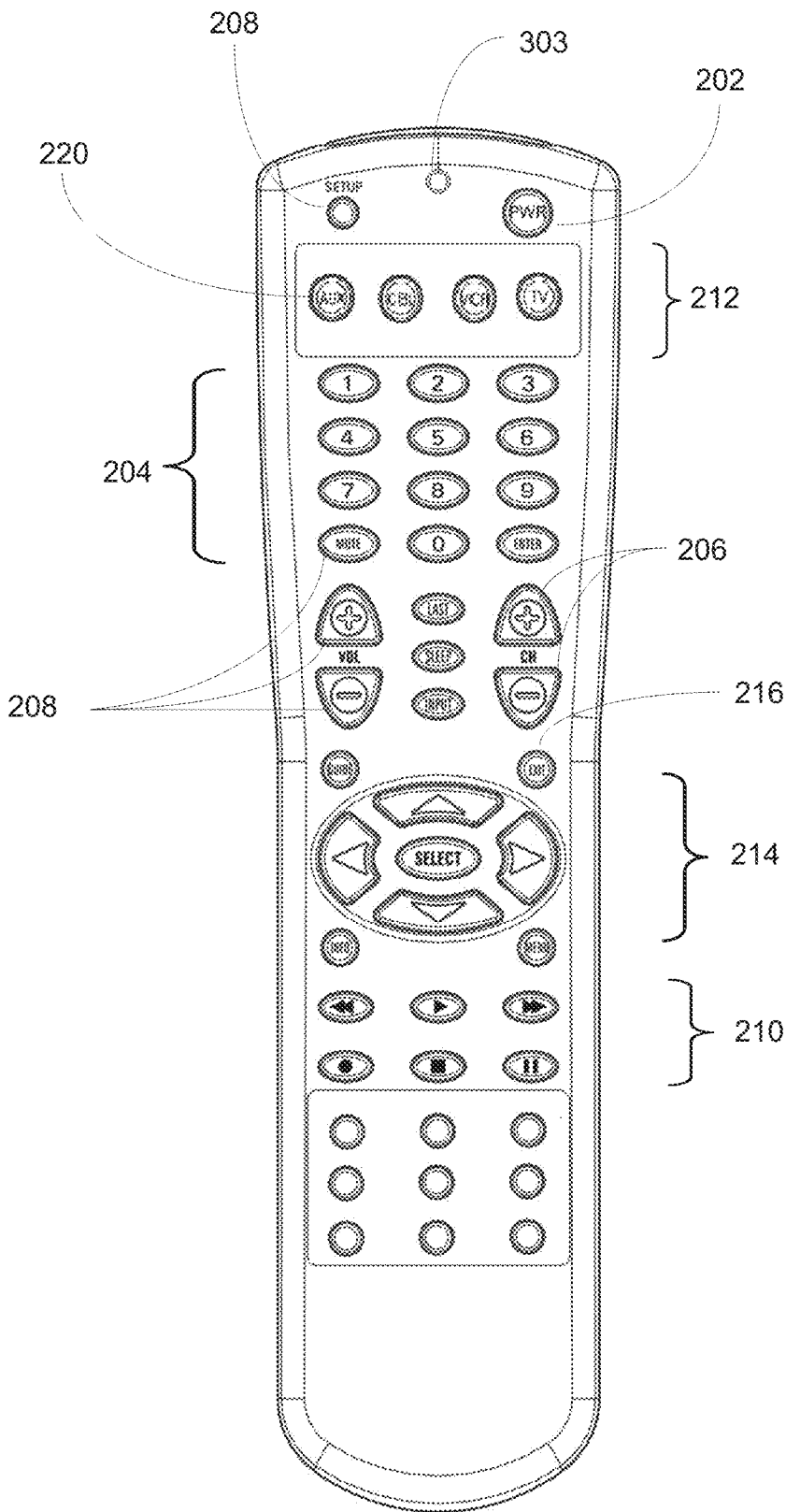


FIGURE 2

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