

EXHIBIT E

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(12) **United States Patent**
Haughwout 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,
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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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This patent is subject to a terminal dis-
 claimer.

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 tion No. 13162427.2, 6 pgs.

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(Continued)

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Assistant Examiner — Jean W Desir

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Related U.S. Application Data

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

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

(Continued)

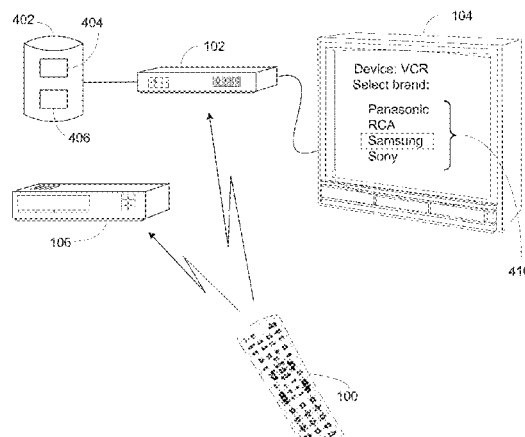
(52) **U.S. Cl.**
 CPC **G08C 17/02** (2013.01); **G08C 19/00**
 (2013.01); **G08C 19/28** (2013.01); **H04N**
5/4403 (2013.01);

(Continued)

(57) **ABSTRACT**

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 inter-
 active instructions and prompts to a user during a user
 initiated set up procedure for configuration of another con-
 trollable 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).

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)
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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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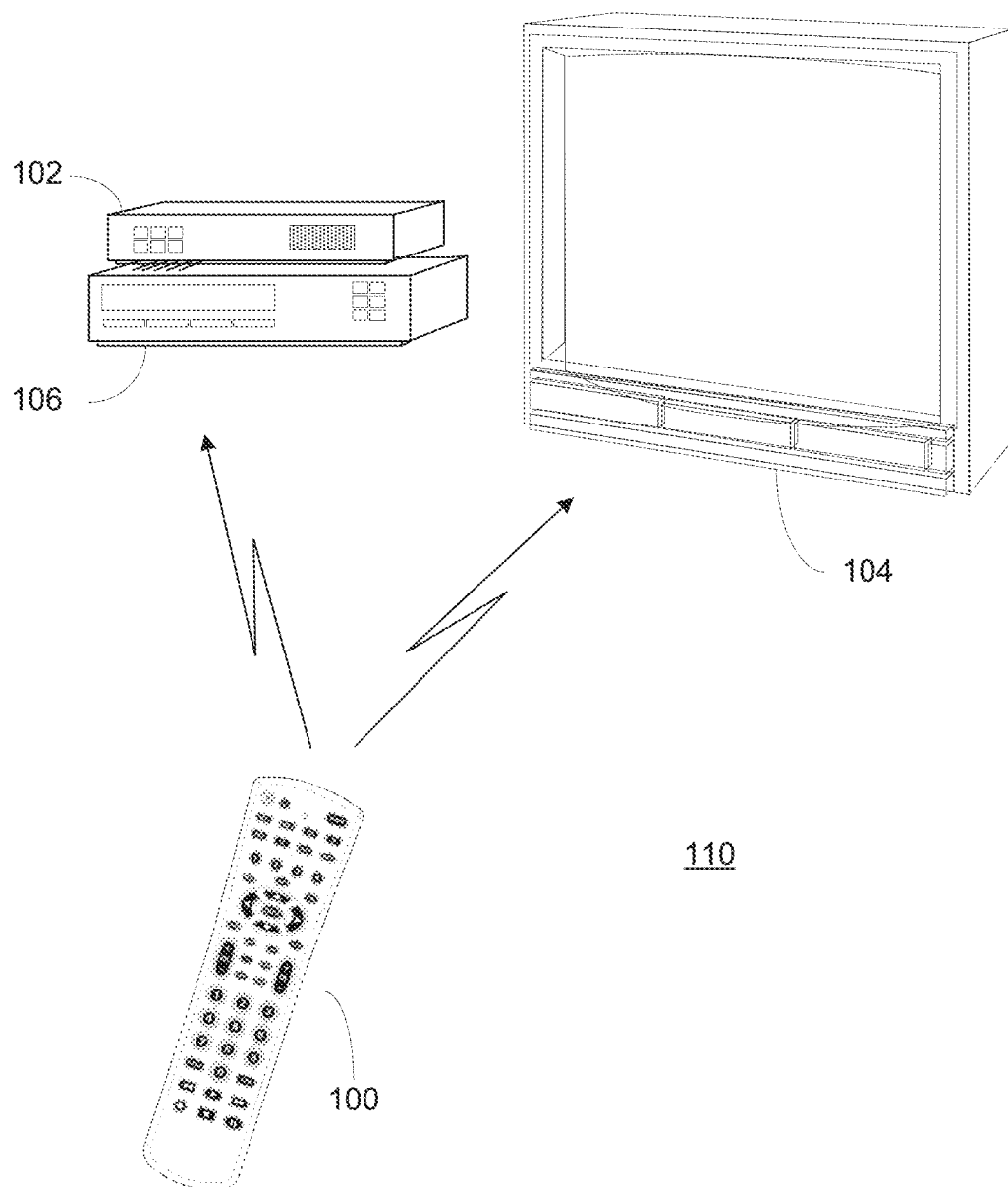


FIGURE 1

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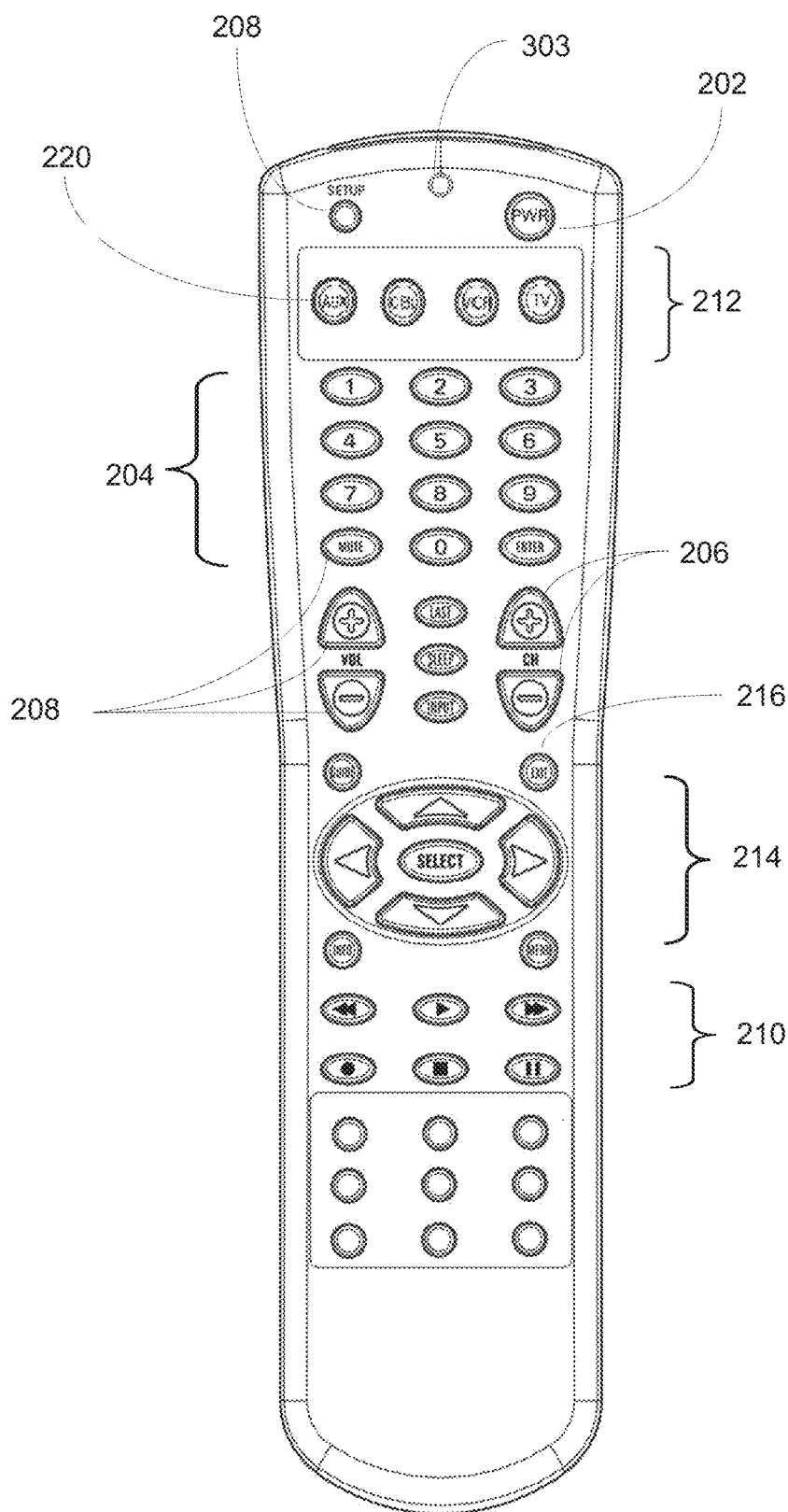


FIGURE 2

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