

EXHIBIT B

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

(10) **Patent No.:** **US 9,641,785 B2**
 (45) **Date of Patent:** ***May 2, 2017**

(54) **SYSTEM AND METHOD FOR CONFIGURING CONTROLLING DEVICE FUNCTIONALITY**
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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.
 This patent is subject to a terminal disclaimer.

(21) Appl. No.: **15/180,188**
 (22) Filed: **Jun. 13, 2016**

(65) **Prior Publication Data**
 US 2016/0295153 A1 Oct. 6, 2016

Related U.S. Application Data
 (63) Continuation of application No. 14/676,556, filed on Apr. 1, 2015, now Pat. No. 9,380,250, which is a (Continued)

(51) **Int. Cl.**
H04N 5/44 (2011.01)
H04N 5/765 (2006.01)
H04N 21/422 (2011.01)
H04N 21/4363 (2011.01)
H04N 21/442 (2011.01)
 (Continued)

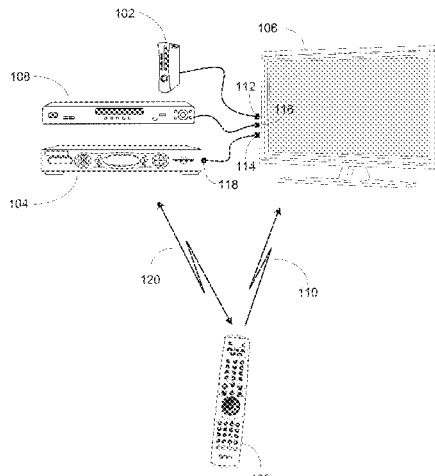
(52) **U.S. Cl.**
 CPC **H04N 5/4403** (2013.01); **H04N 5/765** (2013.01); **H04N 5/775** (2013.01); **H04N 21/42216** (2013.01); **H04N 21/42227** (2013.01); **H04N 21/43635** (2013.01); **H04N 21/4424** (2013.01); **H04N 21/4516** (2013.01); **H04N 21/485** (2013.01); **H04N 2005/4426** (2013.01); **H04N 2005/4439** (2013.01)
 (58) **Field of Classification Search**
 CPC G09G 5/006; H04N 21/4635; H04N 21/43615
 See application file for complete search history.

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(57) **ABSTRACT**
 A controlling device is automatically configured to issue a communication directly to a first controllable appliance to control a functional operation of the first controllable appliance in the event that the first controllable appliance is determined to be unresponsive to a command communication transmitted to the first controllable appliance via a digital communications link or to issue a communication to a second controllable appliance to control the functional operation of the first controllable appliance via a digital communications link in the event that first controllable appliance is determined to be responsive to a command communication transmitted to the first controllable appliance via a digital communications link.

13 Claims, 6 Drawing Sheets



US 9,641,785 B2

Page 2

Related U.S. Application Data

continuation of application No. 13/240,604, filed on
Sep. 22, 2011, now Pat. No. 9,019,435.

- (51) **Int. Cl.**
H04N 21/45 (2011.01)
H04N 21/485 (2011.01)
H04N 5/775 (2006.01)

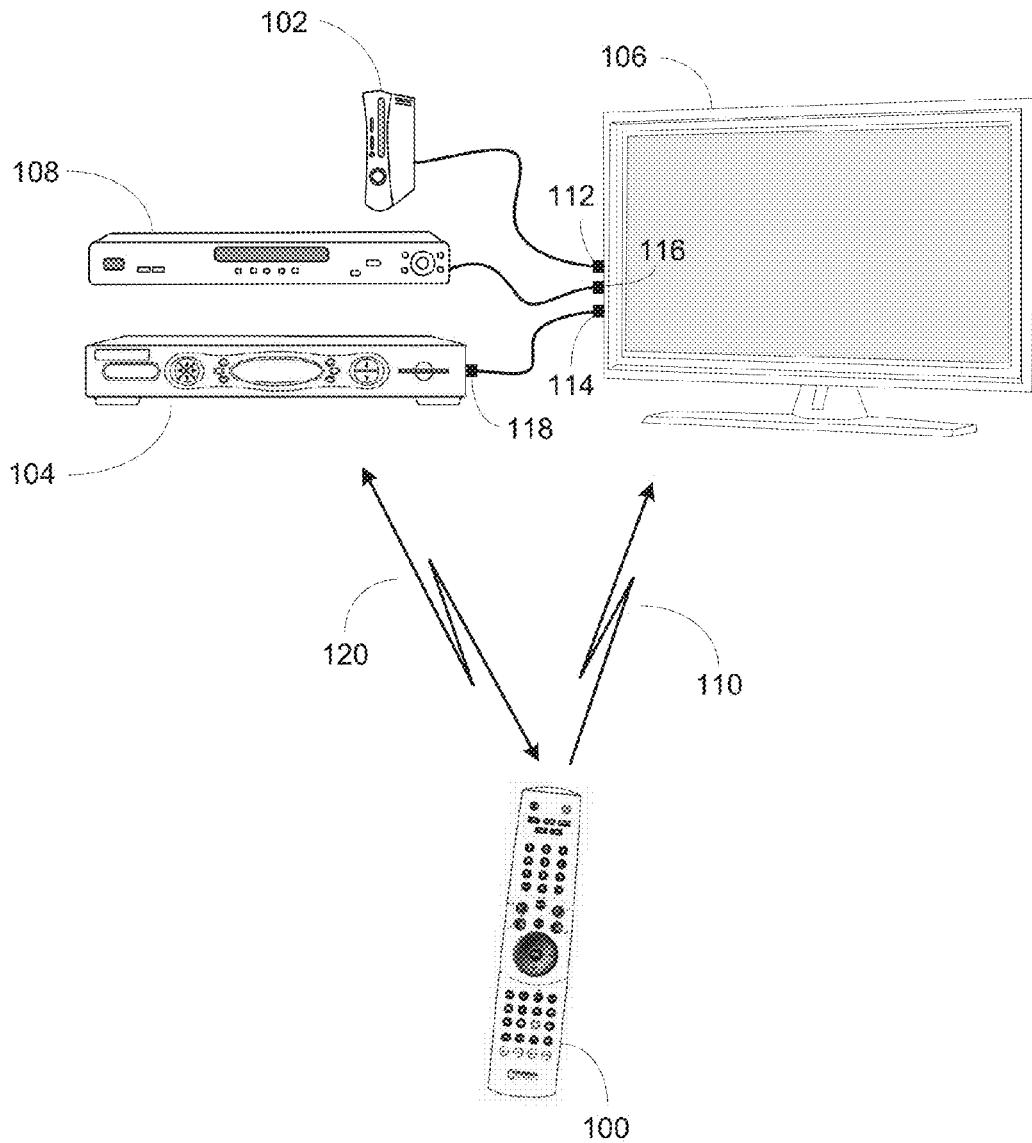


Figure 1

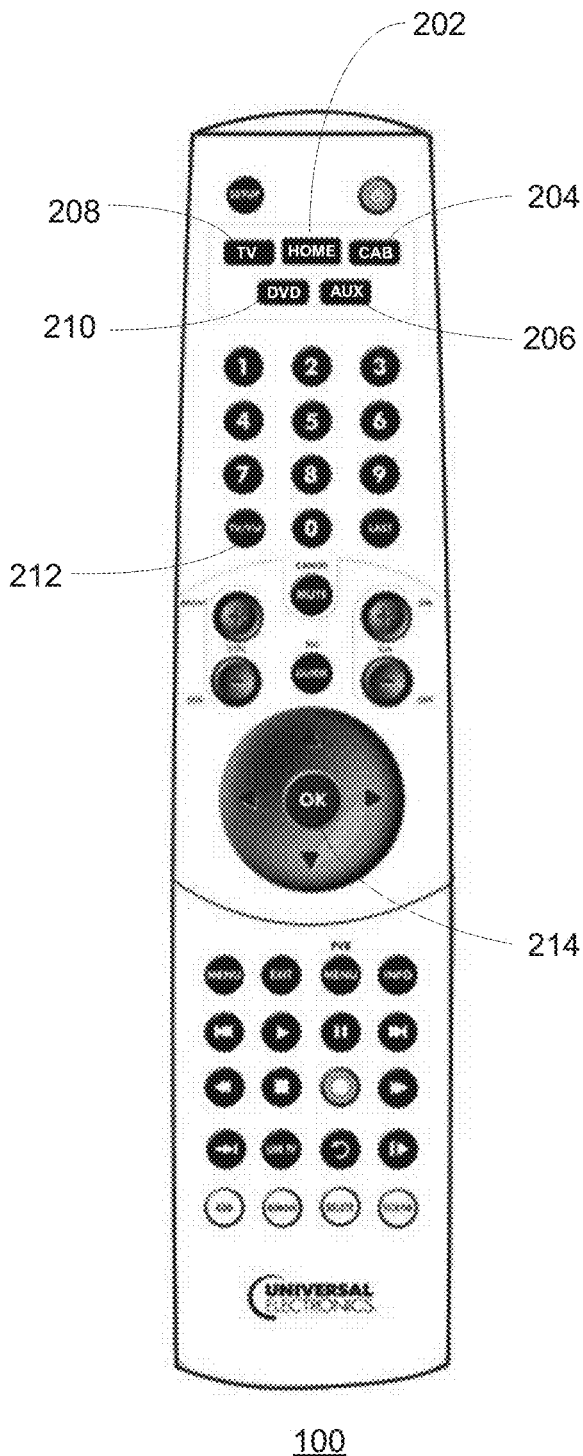


Figure 2

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