

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

(10) **Patent No.:** **US 9,697,727 B2**
(45) **Date of Patent:** **Jul. 4, 2017**

(54) **REMOTE CONTROL APPARATUS**

(71) Applicant: **QBLINKS INCORPORATED**, Taipei (TW)

(72) Inventors: **Shao-Chun Chen**, Hualien (TW);
Li-Ming Huang, Taipei (TW)

(73) Assignee: **QBLINKS INCORPORATED**, Taipei (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 97 days.

(21) Appl. No.: **14/849,989**

(22) Filed: **Sep. 10, 2015**

(65) **Prior Publication Data**
US 2017/0076590 A1 Mar. 16, 2017

(51) **Int. Cl.**
G08C 19/00 (2006.01)
G08C 17/02 (2006.01)

(52) **U.S. Cl.**
CPC **G08C 17/02** (2013.01); **G08C 2201/30** (2013.01); **G08C 2201/60** (2013.01)

(58) **Field of Classification Search**
CPC **G08C 17/02**; **G08C 17/00**; **G07C 9/00182**;
G07C 2009/00793; **A63H 30/04**
USPC **340/12.5**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,150,387 B2 *	4/2012	Klein	.....	H04M 1/72533	348/734
2008/0301729 A1 *	12/2008	Broos	.....	H03J 1/0025	725/38
2011/0294490 A1 *	12/2011	Faenger	.....	G08C 17/00	455/419
2014/0267932 A1 *	9/2014	Riddell	.....	H04N 5/4403	348/734

* cited by examiner

Primary Examiner — Yong Hang Jiang

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **ABSTRACT**

A remote control apparatus wirelessly connected with a host apparatus comprises a wireless transmission unit, a control unit and an operation unit. The wireless transmission unit is wirelessly connected with the host apparatus. The control unit is electrically connected with the wireless transmission unit and the operation unit. The host apparatus is configured with an integration application unit, and the control unit authenticates the integration application unit and acquires a permission for operating at least one function of an operation system of the host apparatus. The operation unit can receive an operation mode, and the control unit generates a control signal according to the operation mode. The control unit transmits the control signal to the host apparatus through the wireless transmission unit for choosing one of the operation system and the integration application unit to trigger at least one event according to the control signal.

14 Claims, 5 Drawing Sheets

