

(43) International Publication Date  
15 October 2015 (15.10.2015)

## (51) International Patent Classification:

H04L 12/28 (2006.01) H04L 29/06 (2006.01)  
H04L 12/12 (2006.01)

## (21) International Application Number:

PCT/US2015/025394

## (22) International Filing Date:

10 April 2015 (10.04.2015)

## (25) Filing Language:

English

## (26) Publication Language:

English

## (30) Priority Data:

61/978,066 10 April 2014 (10.04.2014) US

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Indiana Square, Suite 2800, Indianapolis, IN 46204 (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, BN, 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, IR, IS, JP, KE, KG, KN, KP, KR,  
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,  
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,  
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ,  
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments (Rule 48.2(h))

## (88) Date of publication of the international search report:

10 December 2015

## (54) Title: RECONFIGURABLE NETWORK CONTROLLER

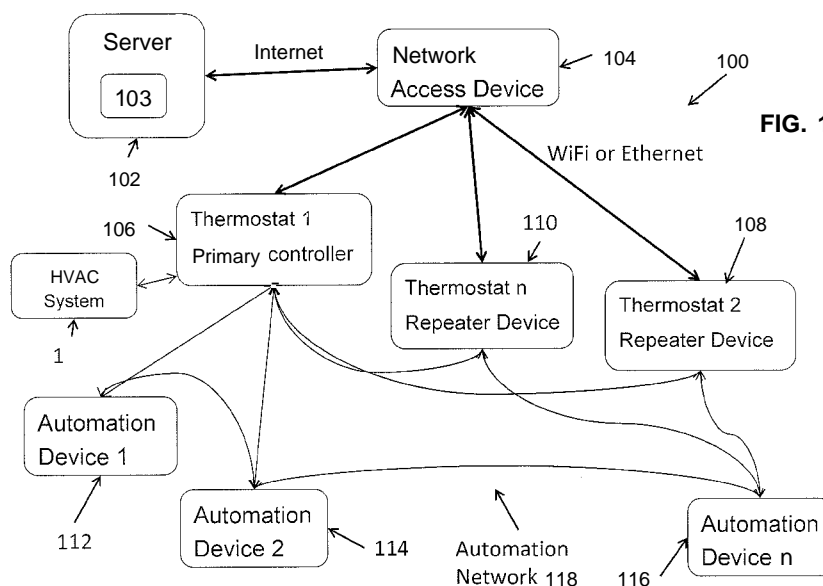


FIG. 1

(57) Abstract: A computing device, such as a thermostat, may be structured to communicate with a network access device via a first protocol and communicate with a plurality of home automation devices via a second protocol. The computing device may also be structured to operate as a primary controller or a repeater device in a home automation system. The computing device may receive information from a server instructing the computing device to operate as the primary controller or the repeater device. Or, the computing device may determine itself whether to operate as the primary controller or repeater device.

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2015/025394****A. CLASSIFICATION OF SUBJECT MATTER****H04L 12/28(2006.01)i, H04L 12/12(2006.01)i, H04L 29/06(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H04L 12/28; G06Q 99/00; G06F 15/16; G06F 1/32; G05D 23/19; G06F 15/18; G05D 23/00; H04L 12/12; H04L 29/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean utility models and applications for utility models  
Japanese utility models and applications for utility modelsElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKOMPASS(KIPO internal) & Keywords: home, automation, system, thermostat, primary, controller, repeater, device, enroll, Z-Wave, WIFI**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>1</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2011-0015797 AI (DANIEL GILSTRAP) 20 January 2011 See paragraphs [0013H0015] , [0018H0023] , [0046H0051] , [0063] , [0075] , [0088] , [0090] ; and figures 1, 4, 9, 18.	1-20
Y	US 2012-0232969 AI (ANTHONY MICHAEL FADELL et al.) 13 September 2012 See paragraphs [0007] , [0033]- [0034] , [0054]- [0055] ; and figures 1, 5.	1-20
A	US 8620841 BI (JOHN B. FILSON et al.) 31 December 2013 See column 4, lines 26-47; column 6, line 3 - column 9, line 40; and figures 1-2.	1-20
A	US 2013-0245838 AI (STAN ZYWICKI et al.) 19 September 2013 See paragraphs [0002] , [0019] , [0022] , [0043] , [0050H0051] ; and figures 1-2.	1-20
A	US 2010-0211224 AI (OLIVER JOE KEELING et al.) 19 August 2010 See paragraphs [0003]- [0008] , [0045]- [0049] ; and figure 4.	1-20

**II** Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

22 October 2015 (22.10.2015)

Date of mailing of the international search report

**22 October 2015 (22.10.2015)**

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2015/025394**Patent document  
cited in search reportPublication  
datePatent family  
member(s)Publication  
date

US 2011-0015797 AI

20/01/2011

None

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13/09/2012

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10/10/2013

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27/02/2014

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17/07/2014

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None

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