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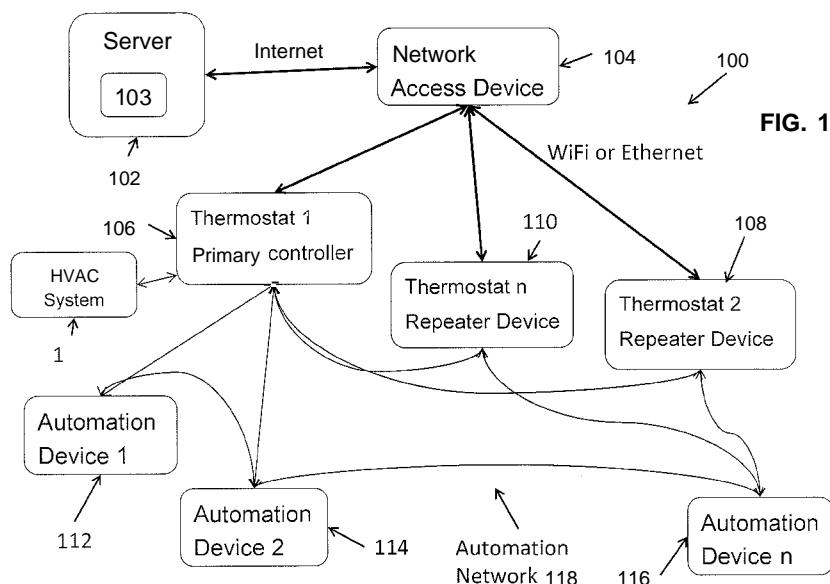
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(54) Title: RECONFIGURABLE NETWORK CONTROLLER



(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.

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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 [¶]	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 B1 (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

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

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
us 2011-0015797 A1	20/01/2011	None	
us 2012-0232969 A1	13/09/2012	us 2013-268129 A1 us 2014-058806 A1 us 2014-200719 A1	10/10/2013 27/02/2014 17/07/2014
us 8620841 B1	31/12/2013	us 2014-207721 A1	24/07/2014
us 2013-0245838 A1	19/09/2013	None	
us 2010-0211224 A1	19/08/2010	us 8543244 B2	24/09/2013