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(54) Title: METHOD AND SYSTEM FOR IMPROVING NETWORK SECURITY

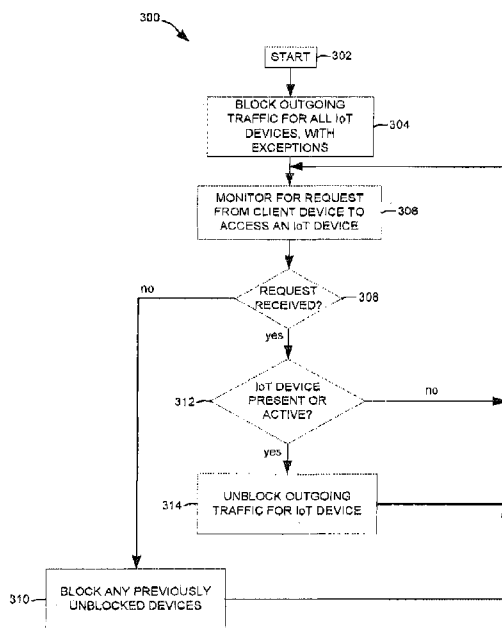


FIG. 3

(57) Abstract: Methods and systems for securing a network including IoT devices are provided. A networking device system can regulate the ability of IoT devices to communicate with their corresponding cloud servers over the Internet, for example, by allowing a device to connect to its associated cloud servers when a user (e.g., an authorized user) requests to use the device. The system can communicate (e.g., directly) with users outside of the network through an app and/or a software development kit installed on user client device(s), where communications received from the app or kit (e.g., to access one or more IoT devices on the network) can be presumed to originate from authorized users.



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,  
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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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ADD.  
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B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
H04L H04W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 9 094 407 B1 (MATTHIEU CHRIS [US] ET AL) 28 July 2015 (2015-07-28) abstract figures 1,4,5 column 1, line 7 - line 19 column 1, line 45 - column 4, line 2 column 7, line 49 - column 13, line 67 column 17, line 26 - line 60 column 18, line 54 - column 19, line 4 column 27, line 36 - column 29, line 38 column 37, line 62 - column 38, line 26 ----- -/--	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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"E" earlier application or patent but published on or after the international filing date

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search  15 November 2017	Date of mailing of the international search report  23/11/2017
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Kopp, Klaus
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International application No  
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2015/249642 A1 (BURNS GREGORY [US] ET AL) 3 September 2015 (2015-09-03)  abstract  figures 1,17  paragraph [0006]  paragraph [0009] - paragraph [0016]  paragraph [0065] - paragraph [0066]  paragraph [0151]</p> <p style="text-align: center;">-----</p>	1-20
A	<p>US 2015/369618 A1 (BARNARD CHRIS [US] ET AL) 24 December 2015 (2015-12-24)  abstract  paragraph [0041] - paragraph [0048]  paragraph [0055]  paragraph [0086] - paragraph [0087]  paragraph [0179] - paragraph [0181]  figure 22</p> <p style="text-align: center;">-----</p>	1-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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