



(51) International Patent Classification:

H04L 29/06 (2006.01) *H04W 4/00* (2009.01)
H04L 12/24 (2006.01) *H04W 8/00* (2009.01)
H04L 12/28 (2006.01) *H04L 29/12* (2006.01)

(21) International Application Number:

PCT/RO2015/050010

(22) International Filing Date:

11 December 2015 (11.12.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/090,547 11 December 2014 (11.12.2014) US
 62/180,390 16 June 2015 (16.06.2015) US
 62/217,310 11 September 2015 (11.09.2015) US

(71) Applicant: **BITDEFENDER IPR MANAGEMENT LTD** [CY/CY]; Kreontos 12, 1076 Nicosia (CY).

(72) Inventor; and

(71) Applicant : **CEBERE, Bogdan-Constantin** [RO/RO]; Str. Alexandru Vlahuta nr. 2, bl. M50, sc. 3, et. 1, ap. 70, sector 3, Bucuresti (RO).

(72) Inventors: **ACHIM, Ioan-Alexandru**; Str. Theodor Aman nr. 2, bl. 2, sc. 1, et. 3, ap. 7, Jud. Gorj, Tirgu Jiu (RO). **PADINA, Mirela-Luiza**; Str. Zboina Neagra nr. 3, bl. 102, sc. 1, et. 1, ap. 8, sector 6, Bucuresti (RO). **MIRON, Monica-Maria**; Str. Mihai Eminescu nr. 29, bl. D10, sc. B, ap. 22, Judetul Neamt, Piatra Neamt (RO). **STAN, Cosmin-Claudiu**; Calea Mosilor nr. 294, bl. 42, sc. 1, et. 3, ap. 9, sector 2, Bucuresti (RO). **ALBISTEANU, Catalina**; Str. Martir Closca nr. 3, sc. A, ap. 10, Judetul Bacau, Bacau (RO). **BERTE, Dan-Radu**; Str. Fierului nr. 36, Judetul Cluj, Cluj-Napoca (RO). **DUMITRACHE, Bogdan-Teodor**; Str. Mircea Vulcanescu nr. 65 et. 1, ap. z, sector 1, Bucuresti (RO). **MIRCESCU, Daniel-Alexandru**; Str. Cozla nr. 8, bl. A7, sc. 2, et. 1, ap. 20, sector 3, Bucuresti (RO). **NOVAC, Alexandru**; Sos. Oltenitei nr. 254 bl. 151, sc. 1, et. 6, ap. 18, sector 4, Bucuresti (RO).

[Continued on next page]

(54) Title: USER INTERFACE FOR SECURITY PROTECTION AND REMOTE MANAGEMENT OF NETWORK ENDPOINTS

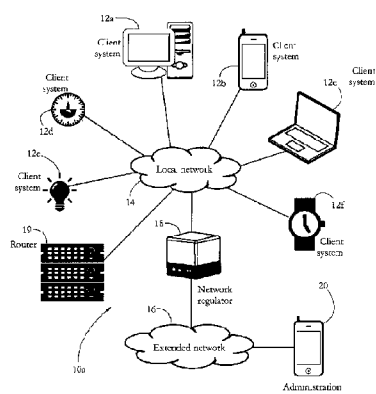


FIG. 1-A

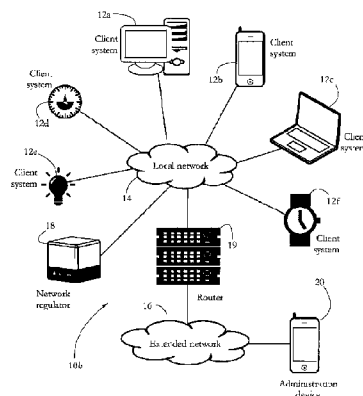


FIG. 1-B

(57) Abstract: In some embodiments, a network regulator device protects a local network of client systems (e.g. Internet-of-things devices such as smartphones, home appliances, wearables, etc.) against computer security threats. Various aspects of the operation of the network regulator may be managed remotely via a graphical user interface (GUI) executing on an administration device, such as a mobile phone. The GUI is further configured to display a security notification to a user of the administration device, the security notification indicating the occurrence of a security event caused by an action of a protected client system.



(74) **Agent:** TULUCA, Doina; Bd. Lacul Tei 56, bl . 19, sc. B, ap . 52, sector 2, 020392 Bucuresti (RO).

(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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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))