



(51) International Patent Classification:
G06F 21/56 (2013.01) *G06F 9/455* (2018.01)
H04L 9/40 (2022.01)

(21) International Application Number:
PCT/EP2023/056860

(22) International Filing Date:
17 March 2023 (17.03.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
22164512.0 25 March 2022 (25.03.2022) EP

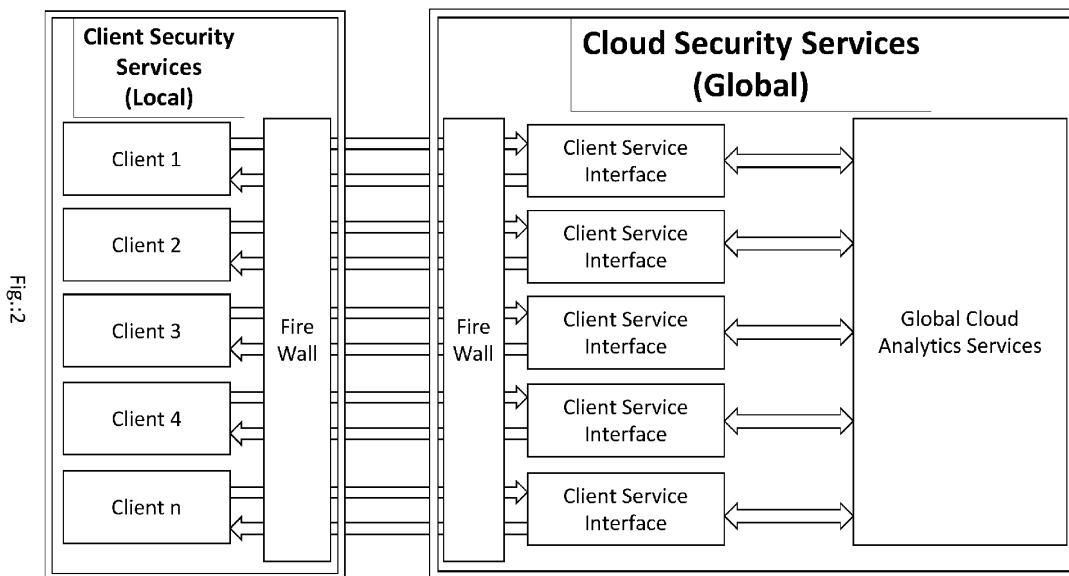
(71) Applicant: **ZOE LIFE TECHNOLOGIES AG** [CH/CH];
Poststraße 1, 9100 Herisau (CH).

(72) Inventor: **SCHLOER, Hardy**; Tal 34, 80331 München (DE).

(74) Agent: **REICH, Jochen**; Hermstraße 15, 80539 Munich (DE).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) Title: METHOD AND NETWORK COMPONENT FOR PROTECTING NETWORKED INFRASTRUCTURES



(57) Abstract: The present invention is directed towards a method, a network component and a system arrangement that allow the detection of intrusion attempts such that the attacker, or in case of joint attacks the attackers, is not aware that the malicious access is detected by the targeted system. Instead, the targeted system keeps offering services and is able to gather more information about the intruders. The present invention allows the establishment of global attack signature databases which can be provided to several target systems which enables the global prevention of fraudulent data access and system intrusions. For doing so the present invention suggests to provide a fake infrastructure dynamically at runtime which communicates with the external computing devices thereby protecting the requested infrastructure in a sandbox. The present invention is furthermore directed towards a computer program product and a computer-readable medium having stored thereon the computer program.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))