



- (51) **International Patent Classification:**
H04L 41/14 (2022.01) *G06F 11/30* (2006.01)
- (21) **International Application Number:**
PCT/US2024/049638
- (22) **International Filing Date:**
02 October 2024 (02.10.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/588,227 05 October 2023 (05.10.2023) US
18/900,249 27 September 2024 (27.09.2024) US
- (71) **Applicant:** EFFODIO, INC. [US/US]; 2784 Homestead Rd #229, Santa Clara, California 95051 (US).
- (72) **Inventor:** ADAMS, Robert Edward; c/o Effodio, Inc., 2784 Homestead Rd #229, Santa Clara, California 95051 (US).
- (74) **Agent:** HUSAIN, Siraj et al.; Weaver Austin Villeneuve & Sampson LLP, P.O. Box 70250, Oakland, California 94612-0250 (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, 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.

- (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))
- 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))

(54) **Title:** MODELING AND MANAGING SYSTEM INFRASTRUCTURE

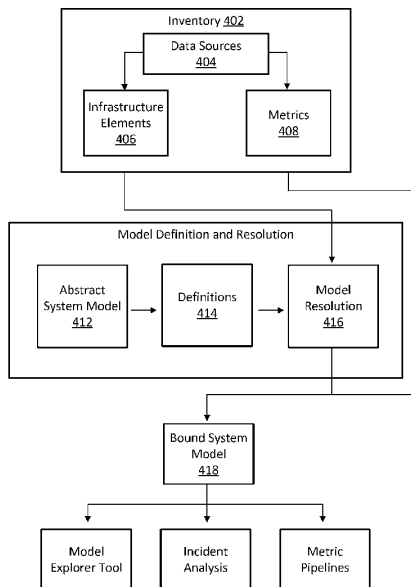


FIG. 4

- (57) **Abstract:** An abstract system model comprising one or more model elements corresponding to one or more infrastructure elements of a deployed system infrastructure is generated. Each model element specifies one or more selectors, and for each model element, each selector includes an indication of at least one infrastructure element that is associated with the model element. An inventory of the one or more infrastructure elements is built. For at least one model element, at least one infrastructure element of the inventory associated with the at least one model element is identified as indicated by the respective one or more selectors of the at least one model element. A bound system model comprising one or more associations between the model elements of the abstract system model and the inventory of the infrastructure elements is generated.