

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 January 2025 (16.01.2025)



(10) International Publication Number
WO 2025/014997 A1

(51) International Patent Classification:
H04L 43/065 (2022.01) *H04L 43/16* (2022.01)
H04L 43/0829 (2022.01)

(21) International Application Number:
PCT/US2024/037301

(22) International Filing Date:
10 July 2024 (10.07.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2310669.3 12 July 2023 (12.07.2023) GB

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(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,

(54) Title: NETWORK PERFORMANCE DETECTION

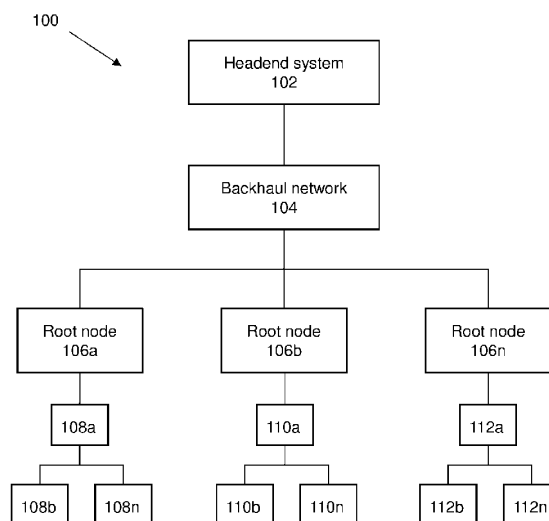


Fig. 1

(57) Abstract: A method of determining network performance of metering devices in communication with a root node (200), comprising exchanging messages (300) between the root node (200) and the metering devices; storing (302), in a live log memory (210), log entries indicative of the messages exchanged; continuously copying (306) the log entries to a back-up log memory (212), when the log entries stored in the live log memory reach a storage threshold; deleting (308) the log entries stored in the live log memory (210) once they have been copied to the back-up log memory (212); continuously determining, using the log entries stored in the back-up log memory (212), a frequency of messages exchanged; continuously storing, in a performance summary memory (214), data indicative of the determined frequency of messages exchanged and using that data to determine whether one or more of the metering devices are experiencing network performance issues.

[Continued on next page]

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).

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *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))*