



- (21) **International Patent Classification:**  
H04J 3/06 (2006.01)

(21) **International Application Number:**  
PCT/US2024/061725

(22) **International Filing Date:**  
23 December 2024 (23.12.2024)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**  
18/444,459 16 February 2024 (16.02.2024) US

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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, 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))

**(54) Title:** TIME SYNCHRONIZATION IN HIGH-LATENCY NETWORKS

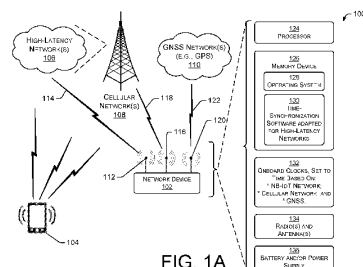


FIG. 1A

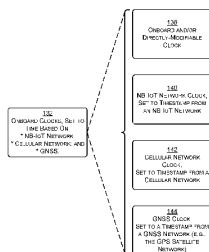


FIG. 1B

**(57) Abstract:** Techniques for synchronizing devices on a high-latency network include obtaining a timestamp (e.g., time-data, such as date-and-time-data) from a secure source in the network. It is determined if a global network satellite system (GNSS) signal timestamp is available. Such a timestamp may be more accurate than the network timestamp due in part to latency. If the GNSS signal timestamp is available, it is validated if it is within a first threshold time period from the timestamp. If the GNSS timestamp is not validated, it is determined if a cellular network timestamp is available from a cellular network. If the cellular network timestamp is available, it is validated if it is within a second threshold time period from the timestamp. An onboard clock is set based at least in part on a time-source that could be validated.