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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
02 April 2020 (02.04.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/064545 A1

(51) International Patent Classification:
G01C 21/34 (2006.01) *H04L 29/06* (2006.01)

(21) International Application Number:
PCT/EP2019/075328

(22) International Filing Date:
20 September 2019 (20.09.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
18196639.1 25 September 2018 (25.09.2018) EP

(71) Applicant: **SONY CORPORATION** [JP/JP]; 1-7-1 Konan, Minato-Ku, Tokyo 108-0075 (JP).

(71) Applicant *(for AL only)*: **SONY EUROPE B.V.** [GB/GB]; The Heights, Brooklands, Weybridge Surrey KT13 0XW (GB).

(72) Inventor: **WAKABAYASHI, Hideji**; c/o SONY Europe B.V., IP Europe, Jays Close, Viables, Basingstoke Hampshire RG22 4SB (GB).

(74) Agent: **MFG PATENTANWÄLTE**; Amalienstrasse 62, 80799 München (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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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).

Published:
— *with international search report (Art. 21(3))*

(54) **Title:** COMMUNICATION NETWORK, METHOD, NETWORK EQUIPMENT AND COMMUNICATION DEVICE

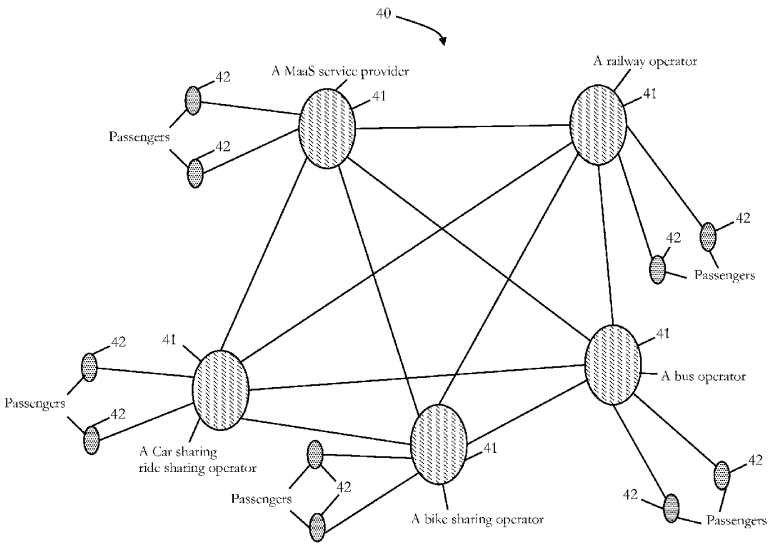


Fig. 6

(57) **Abstract:** A communication network for providing a distributed ledger has at least one node configured to provide a distributed ledger function to other nodes.

WO 2020/064545 A1