

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 May 2024 (23.05.2024)



(10) International Publication Number
WO 2024/105282 A1

(51) International Patent Classification:
H04L 47/36 (2022.01) *H04L 65/612* (2022.01)

(21) International Application Number:
PCT/EP2024/051657

(22) International Filing Date:
24 January 2024 (24.01.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20230101073 22 December 2023 (22.12.2023) GR

(71) Applicant: **LENOVO (SINGAPORE) PTE. LTD**
[SG/SG]; 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741 (SG).

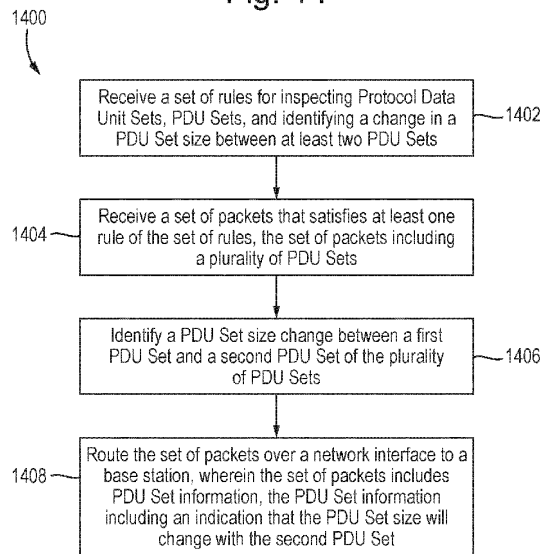
(72) Inventors: **KARAMPATIS, Dimitrios**; 9 Lawn Close, Ruislip Middlesex HA4 6ED (GB). **LÖHR, Joachim**; Paracelsusweg 28, 65203 Wiesbaden (DE). **STOICA, Razvan-Andrei**; Albrechtstr. 17, 45130 Essen (DE).

(74) Agent: **OPENSHAW & CO.**; 8 Castle Street, Farnham Surrey GU9 7HR (GB).

(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: SUPPORTING DYNAMIC CHANGES IN TRAFFIC CHARACTERISTIC IN A WIRELESS COMMUNICATION NETWORK

Fig. 14



(57) Abstract: Various aspects of the present disclosure relate to a first network function for wireless communication, comprising: at least one memory; and at least one processor coupled with the at least one memory and arranged to cause the first network function to: receive, from a second network function, a set of rules for inspecting Protocol Data Unit Sets, PDU Sets, and identifying a change in a PDU Set size between at least two PDU Sets; receive a set of packets that satisfies at least one rule of the set of rules, the set of packets including a plurality of PDU Sets; identify a PDU Set size change between a first PDU Set and a second PDU Set of the plurality of PDU Sets; and route the set of packets over a network interface to a base station, wherein the set of packets includes PDU Set information, the PDU Set information including an indication that the PDU Set size will change with the second PDU Set.

[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).

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))*
- *upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)*