

(12) International Application Status Report

Received at International Bureau: 03 April 2017 (03.04.2017)

Information valid as of: 12 September 2017 (12.09.2017)

Report generated on: 19 October 2019 (19.10.2019)

(10) Publication number:

WO2017/172543

(43) Publication date:

05 October 2017 (05.10.2017)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2017/024191

(22) Filing Date:

25 March 2017 (25.03.2017)

(25) Filing language:

English (EN)

(31) Priority number(s):

62/313,793 (US)

(31) Priority date(s):

27 March 2016 (27.03.2016)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

15/469,086 (US)

24 March 2017 (24.03.2017)

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

H04W 28/06 (2009.01); H03M 7/30 (2006.01)

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(54) Title (EN): DATA COMPRESSION FOR CELLULAR INTERNET OF THINGS (CIoT)

(54) Title (FR): COMPRESSION DE DONNÉES POUR L'INTERNET DES OBJETS CELLULAIRE (CIOT)

(57) Abstract:

(EN): Aspects of the present disclosure provide techniques for compressing data packets for cellular internet of things (CIoT) communications. An example method generally includes establishing at least one prefill buffer common to one or more UEs, wherein the prefill buffer includes a plurality of common strings, generating a compressed packet by finding matches to the common strings in at least one of a header portion or payload portion of the packet and associating identifiers with the common strings, and transmitting the packet.

(FR): La présente invention concerne, selon certains aspects, des techniques de compression de paquets de données pour des communications cellulaires d'Internet des objets (CIoT). Un exemple de procédé comprend généralement les étapes consistant à établir au moins un tampon de pré-remplissage commun à un ou plusieurs UE, le tampon de pré-remplissage comprenant une pluralité de chaînes communes, générer un paquet compressé en trouvant des correspondances avec les chaînes communes dans au moins l'une d'une partie d'en-tête ou d'une partie de charge utile du paquet et en associant des identifiants aux chaînes communes, et transmettre le paquet.

International search report:

Received at International Bureau: 17 July 2017 (17.07.2017) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, 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

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM