

(12) International Application Status Report

Received at International Bureau: 20 May 2020 (20.05.2020)

Information valid as of: 30 September 2020 (30.09.2020)

Report generated on: 25 February 2021 (25.02.2021)

(10) Publication number:

WO2020/222549

(43) Publication date:

05 November 2020 (05.11.2020)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/KR2020/005730

(22) Filing Date:

29 April 2020 (29.04.2020)

(25) Filing language:

English (EN)

(31) Priority number(s):

10-2019-0051000 (KR)

(31) Priority date(s):

30 April 2019 (30.04.2019)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

H04W 28/04 (2009.01); *H04W 72/14* (2009.01); *H04L 1/18* (2006.01)

(71) Applicant(s):

SAMSUNG ELECTRONICS CO., LTD. [KR/KR]; 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 (KR) (*for all designated states*)

(72) Inventor(s):

BAEK, Sangkyu; 129, Samsung-ro Yeongtong-gu, Suwon-si Gyeonggi-do 16677 (KR)

JANG, Jaehyuk; 129, Samsung-ro Yeongtong-gu, Suwon-si Gyeonggi-do 16677 (KR)

AGIWAL, Anil; 129, Samsung-ro Yeongtong-gu, Suwon-si Gyeonggi-do 16677 (KR)

KIM, Soenghun; 129, Samsung-ro Yeongtong-gu, Suwon-si Gyeonggi-do 16677 (KR)

(74) Agent(s):

Y.P.LEE, MOCK & PARTNERS; 12F Daelim Acrotel, 13 Eonju-ro 30-gil, Gangnam-gu, Seoul 06292 (KR)

(54) Title (EN): METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING DATA IN WIRELESS COMMUNICATION SYSTEM

(54) Title (FR): PROCÉDÉ ET APPAREIL PERMETTANT DE TRANSMETTRE ET DE RECEVOIR DES DONNÉES DANS UN SYSTÈME DE COMMUNICATION SANS FIL

(57) Abstract:

(EN): A method, performed by a user equipment (UE), of transmitting uplink data is provided. The method includes receiving, from a base station, configuration information for an uplink resource; determining a Hybrid Automatic Repeat Request (HARQ) process based on the configuration information; starting a configured grant timer (CGT) and a configured grant retransmission timer (CGRT) when uplink data corresponding to the HARQ process is transmitted; restarting the CGRT when the uplink data corresponding to the HARQ process is retransmitted; receiving, from the base station, downlink feedback information (DFI); and stopping the CGT and the CGRT based on the DFI indicating whether the base station received the uplink data.

(FR): L'invention concerne un procédé, réalisé par un équipement utilisateur (UE), de transmission de données de liaison montante. Le procédé consiste à recevoir, en provenance d'une station de base, des informations de configuration relatives à une ressource de liaison montante ; à déterminer un processus de demande de répétition automatique hybride (HARQ) sur la base des informations de configuration ; à démarrer un temporisateur d'autorisation configuré (CGT) et un temporisateur de retransmission d'autorisation configuré (CGRT) lorsque des données de liaison montante correspondant au processus HARQ sont transmises ; à redémarrer le CGRT lorsque les données de liaison montante correspondant au processus HARQ sont retransmises ; à recevoir, en provenance de la station de base, des informations de rétroaction de liaison descendante (DFI) ; et à arrêter le CGT et le CGRT sur la base des DFI indiquant si la station de base a reçu les données de liaison montante.

International search report:

Received at International Bureau: 02 September 2020 (02.09.2020) [KR]

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, JO, JP, KE, KG, KH, KN, KP, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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