

Title (en)
METHOD AND APPARATUS FOR GRANT-FREE DATA TRANSMISSION IN WIRELESS COMMUNICATION SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BERECHTIGUNGSFREIEN DATENÜBERTRAGUNG IN EINEM
DRAHTLOSKOMMUNIKATIONSSYSTEM

Title (fr)
PROCÉDÉ ET APPAREIL DE TRANSMISSION DE DONNÉES SANS ATTRIBUTION DANS UN SYSTÈME DE COMMUNICATION SANS FIL

Publication
EP 3888405 A4 20220126 (EN)

Application
EP 21733880 A 20210118

Priority
• KR 20200007549 A 20200120
• KR 20200041581 A 20200406
• KR 2021000677 W 20210118

Abstract (en)
[origin: KR20210093706A] The present disclosure relates to a communication technique which converges a 5G communication system for supporting a data rate higher than a 4G system with IoT technology, and a system thereof. The present disclosure can be applied to intelligent services (for example, smart home, smart building, smart city, smart car or connected car, healthcare, digital education, retail business, security and safety related services, etc.) based on 5G communication technology and IoT-related technology. In addition, the present disclosure provides a method and apparatus for reducing terminal power consumption in a wireless communication system. A method for processing a control signal in a wireless communication system includes the steps of: receiving a first control signal transmitted from a base station; processing the received first control signal; and transmitting a second control signal generated based on the processing to the base station.

IPC 8 full level
H04L 5/00 (2006.01); **H03M 13/09** (2006.01); **H04L 27/26** (2006.01); **H04W 72/12** (2009.01)

CPC (source: CN EP KR)
H04L 1/1812 (2013.01 - KR); **H04L 5/0042** (2013.01 - EP); **H04L 5/0044** (2013.01 - EP); **H04W 72/02** (2013.01 - KR); **H04W 72/1263** (2013.01 - CN KR); **H04W 72/21** (2023.01 - CN); **H04W 72/23** (2023.01 - CN KR); **H04W 72/569** (2023.01 - KR); **H03M 13/09** (2013.01 - EP); **H04L 27/26025** (2021.01 - EP); **H04W 72/535** (2023.01 - EP)

Citation (search report)
• [XYI] NOKIA ET AL: "IIoT WI: Resource conflicts between UL grants, HARQ-ACK and activation/release aspects for SPS", vol. RAN WG1, no. Reno, Nevada (US); 20191118 - 20191122, 8 November 2019 (2019-11-08), XP051820120, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_99/Docs/R1-1912609.zip R1-1912609_Nokia_IIoT_related_other_final.docx> [retrieved on 20191108]
• [Y] "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; NR; Physical layer procedures for data (Release 16)", vol. RAN WG1, no. V16.0.0, 14 January 2020 (2020-01-14), pages 1 - 147, XP051860777, Retrieved from the Internet <URL:ftp://ftp.3gpp.org/Specs/archive/38_series/38.214/38214-g00.zip 38214-g00.docx> [retrieved on 20200114]
• See references of WO 2021149987A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
CN 113508632 A 20211015; CN 113508632 B 20220927; EP 3888405 A1 20211006; EP 3888405 A4 20220126; KR 20210093706 A 20210728

DOCDB simple family (application)
CN 202180002383 A 20210118; EP 21733880 A 20210118; KR 20200041581 A 20200406