

Title (en)
APPARATUS AND METHOD FOR CONTROLLING TCP CONNECTIONS IN A WIRELESS COMMUNICATION SYSTEM

Title (de)
VORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER TCP-VERBINDUNGEN IN EINEM DRAHTLOSKOMMUNIKATIONSSYSTEM

Title (fr)
APPAREIL ET PROCÉDÉ POUR COMMANDER DES CONNEXIONS DE PROTOCOLE DE COMMANDE DE TRANSMISSION (TCP) DANS UN SYSTÈME DE COMMUNICATION SANS FIL

Publication
EP 3189704 A4 20180425 (EN)

Application
EP 15838710 A 20150902

Priority
• IN 903KO2014 A 20140902
• KR 2015009244 W 20150902

Abstract (en)
[origin: KR20160027937A] The present invention relates to an apparatus and a method for controlling transmission control protocol (TCP) connection in a wireless communication system. According to embodiments of the present invention, provided are an apparatus and a method for controlling the termination of TCP connection to improve the battery life of a client device such as a smartphone terminal in a wireless communication system. According to an embodiment of the present invention, a method for operating a client in a wireless communication system comprises the following processes of: determining a data transfer inactivation time for at least one TCP connection among a plurality of TCP connections; and terminating the TCP connection at the data transfer inactivation time.

IPC 8 full level
H04W 52/02 (2009.01); **H04W 76/38** (2018.01); **H04W 76/34** (2018.01)

CPC (source: EP US)
H04W 52/0225 (2013.01 - EP US); **H04W 76/38** (2018.01 - EP); **H04W 76/34** (2018.01 - EP US); **Y02D 30/70** (2020.08 - EP)

Citation (search report)
• [X1] US 2013201889 A1 20130808 - HONG YOUNGKI [KR], et al
• [I] US 2013064179 A1 20130314 - ATTAR RASHID AHMED AKBAR [US], et al
• [I] US 2006195840 A1 20060831 - SUNDARRAJAN PRABAKAR [US], et al
• [X1] FENG QIAN ET AL: "Silent TCP connection closure for cellular networks", PROCEEDINGS OF THE NINTH ACM CONFERENCE ON EMERGING NETWORKING EXPERIMENTS AND TECHNOLOGIES, CONEXT '13, 12 December 2013 (2013-12-12), New York, New York, USA, pages 211 - 216, XP055458960, ISBN: 978-1-4503-2101-3, Retrieved from the Internet <URL:http://conferences.sigcomm.org/co-next/2013/program/p211.pdf> DOI: 10.1145/2535372.2535402
• See references of WO 2016036134A1

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

DOCDB simple family (publication)
EP 3189704 A1 20170712; EP 3189704 A4 20180425; JP 2017535101 A 20171124; JP 6618204 B2 20191211; KR 102371217 B1 20220307; KR 20160027937 A 20160310

DOCDB simple family (application)
EP 15838710 A 20150902; JP 2017512283 A 20150902; KR 20150124106 A 20150902