

Title (en)
METHODS OF TRANSMITTING MISSION CRITICAL SMALL DATA USING RANDOM ACCESS CHANNEL

Title (de)
VERFAHREN ZUR ÜBERTRAGUNG VON MISSIONSKRITISCHEN KLEINEN DATEN UNTER VERWENDUNG EINES
DIREKTZUGRIFFSKANALS

Title (fr)
PROCÉDÉS DE TRANSMISSION DE PETITES DONNÉES CRITIQUES POUR LA MISSION, AU MOYEN D'UN CANAL D'ACCÈS ALÉATOIRE

Publication
EP 3400747 A4 20190116 (EN)

Application
EP 16884220 A 20161229

Priority
• US 201662276670 P 20160108
• US 2016069113 W 20161229

Abstract (en)
[origin: WO2017120091A2] A method for a user equipment to transmit a short message to a base station includes the following operations: generating a short message; choosing, among a plurality of codebooks, a codebook corresponding to the short message; identifying, in the codebook, a code word corresponding to a radio network temporary identity (RNTI) of the user equipment; dividing the code word into one or more binary sequences; mapping the one or more binary sequences to one or more random access channel (RACH) preambles; and transmitting the one or more RACH preambles to the base station using a random access channel.

IPC 8 full level
H04W 74/00 (2009.01); **H04W 4/70** (2018.01); **H04W 74/08** (2009.01)

CPC (source: EP)
H04L 5/0016 (2013.01); **H04L 5/0053** (2013.01); **H04L 5/0064** (2013.01); **H04W 4/70** (2018.01); **H04W 74/0833** (2013.01);
H04W 56/0045 (2013.01)

Citation (search report)
• [A] US 2012163311 A1 20120628 - PARK HYUN SEO [KR]
• [A] WEI ZOU ET AL: "Small data transmission at the detached machine-type-communication device", 2012 IEEE 23RD INTERNATIONAL SYMPOSIUM ON PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC 2012) : SYDNEY, AUSTRALIA, 9 - 12 SEPTEMBER 2012, IEEE, PISCATAWAY, NJ, 9 September 2012 (2012-09-09), pages 13 - 17, XP032272758, ISBN: 978-1-4673-2566-0, DOI: 10.1109/PIMRC.2012.6362566
• [A] ZTE CORPORATION: "Text Proposal to TR 37.869 for agreements regarding SDDTE", vol. RAN WG2, no. Barcelona, Spain; 20130819 - 20130823, 24 August 2013 (2013-08-24), XP050718732, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_83/Docs/> [retrieved on 20130824]
• See references of WO 2017120091A2

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)
WO 2017120091 A2 20170713; WO 2017120091 A3 20180222; CN 108702781 A 20181023; EP 3400747 A2 20181114;
EP 3400747 A4 20190116

DOCDB simple family (application)
US 2016069113 W 20161229; CN 201680083305 A 20161229; EP 16884220 A 20161229