

Title (en)
NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) TRANSMISSION FOR LOW LATENCY RANDOM ACCESS CHANNEL (RACH)

Title (de)
NICHT-ORTHOGONALE MEHRFACHZUGRIFF(NOMA)-ÜBERTRAGUNG FÜR DIREKTZUGRIFFSKANAL MIT NIEDRIGER LATENZ (RACH)

Title (fr)
TRANSMISSION À ACCÈS MULTIPLE NON ORTHOGONAL (NOMA) DESTINÉE À UN CANAL D'ACCÈS ALÉATOIRE À FAIBLE LATENCE (RACH)

Publication
EP 3858066 A4 20220622 (EN)

Application
EP 19868094 A 20190920

Priority
• US 201862736906 P 20180926
• US 2019052265 W 20190920

Abstract (en)
[origin: WO2020068596A1] Technology is disclosed for a user equipment (UE) operable for low latency random access channel (RACH) communication in a fifth generation (5G) new radio (NR) network. The UE can be configured to 5 : identify one or more physical random access channel (PRACH) resource sets based on a modulation and coding scheme (MCS) or a transport block size (TBS), wherein each of the one or more PRACH resource sets includes one or more physical resources; select randomly a PRACH preamble from the one or more identified PRACH resource sets; encode a message A (msgA), wherein the 10 msgA includes the PRACH preamble in the one or more physical resources from the one or more PRACH resource sets; and encode the msgA, wherein the msgA further includes payload on a physical uplink shared channel (PUSCH) in one or more physical resources associated with the one or more PRACH resource sets in msgA.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [E] EP 3813466 A1 20210428 - VIVO MOBILE COMMUNICATION CO LTD [CN]
• [A] US 2016309518 A1 20161020 - PATEL SHIMMAN ARVIND [US], et al
• [A] VIVO: "RAN2 impacts of 2-step RACH", vol. RAN WG2, no. Gothenburg, Sweden; 20180820 - 20180824, 10 August 2018 (2018-08-10), XP051521430, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG2%5FRL2/TSGR2%5F103/Docs/R2%2D1811791%2Ezip> [retrieved on 20180810]
• [A] ERICSSON: "NR two-step random access procedure", vol. RAN WG1, no. Spokane, USA; 20170116 - 20170120, 16 January 2017 (2017-01-16), XP051207838, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20170116]
• See also references of WO 2020068596A1

Designated contracting state (EPC)
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