

Title (en)  
HYBRID AUTOMATIC REPEAT REQUEST (HARQ) ENHANCEMENTS TO SUPPORT UNICAST AND GROUPCAST COMMUNICATION OVER SIDELINK FOR NEW RADIO (NR) VEHICLE TO EVERYTHING (V2X)

Title (de)  
VERBESSERTE HYBRIDE AUTOMATISCHE WIEDERHOLUNGSAUFFORDERUNG (HARQ) ZUR UNTERSTÜTZUNG VON UNICAST- UND GROUPCAST-KOMMUNIKATION ÜBER SIDELINK FÜR VEHICLE TO EVERYTHING (V2X) IN NEW RADIO (NR)

Title (fr)  
AMÉLIORATIONS DE DEMANDE DE RÉPÉTITION AUTOMATIQUE HYBRIDE (HARQ) PERMETTANT DE PRENDRE EN CHARGE UNE COMMUNICATION DE MONODIFFUSION ET DE DIFFUSION DE GROUPE SUR UNE LIAISON LATÉRALE POUR UN VÉHICULE À TOUT (V2X) DE NOUVELLE RADIO (NR)

Publication  
**EP 3874648 A4 20220706 (EN)**

Application  
**EP 19878625 A 20191031**

Priority  
• US 201862754517 P 20181101  
• US 2019059247 W 20191031

Abstract (en)  
[origin: WO2020092831A1] A device of a New Radio (NR) User Equipment (UE), a method and a machine readable medium. The method includes: encoding for transmission a packet in a cellular vehicle to everything (V2X) network, the transmission including one of a unicast transmission to a single vehicular user equipment (V-UE), or a groupcast transmission to a plurality of V-UEs; decoding a Hybrid Automatic Repeat Request (HARQ)-based message from at least one of the UEs, the HARQ-based message based on a HARQ configuration for the UE and being in response to the packet; and in response to a determination, based on the HARQ-based message, that a HARQ retransmission of the packet is to be encoded, encoding for transmission the HARQ retransmission.

IPC 8 full level  
**H04L 1/18** (2006.01); **H04W 4/40** (2018.01); **H04W 28/02** (2009.01)

CPC (source: EP)  
**H04L 1/0003** (2013.01); **H04L 1/0009** (2013.01); **H04L 1/0034** (2013.01); **H04L 1/1692** (2013.01); **H04L 1/1812** (2013.01); **H04L 1/188** (2013.01); **H04W 4/40** (2018.01); **H04L 2001/0093** (2013.01)

Citation (search report)  
• [XAI] WO 2018171540 A1 20180927 - ZTE CORP [CN]  
• [XI] WO 2017171616 A1 20171005 - ERICSSON TELEFON AB L M (PUBL) [SE]  
• [XAI] US 2018091265 A1 20180329 - LIU BIN [US], et al  
• See references of WO 2020092831A1

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)  
**WO 2020092831 A1 20200507**; CN 113330702 A 20210831; EP 3874648 A1 20210908; EP 3874648 A4 20220706

DOCDB simple family (application)  
**US 2019059247 W 20191031**; CN 201980042297 A 20191031; EP 19878625 A 20191031