

Title (en)  
TRANSMITTING HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT IN NEXT GENERATION NETWORKS

Title (de)  
ÜBERTRAGUNG DER BESTÄTIGUNG HYBRIDER AUTOMATISCHER WIEDERHOLUNGSANFRAGEN IN NETZWERKEN DER NÄCHSTEN GENERATION

Title (fr)  
TRANSMISSION D'ACCUSÉ DE RÉCEPTION DE DEMANDE DE RÉPÉTITION AUTOMATIQUE HYBRIDE DANS DES RÉSEAUX DE PROCHAINE GÉNÉRATION

Publication  
**EP 4211860 A4 20240710 (EN)**

Application  
**EP 21882194 A 20211025**

Priority  
• US 202063104915 P 20201023  
• CN 2021126134 W 20211025

Abstract (en)  
[origin: WO2022083782A1] A method for transmitting a HARQ-ACK by a UE is provided. The method receives an SPS configuration. The method then receives a DCI format which activates the SPS configuration and also indicates a first offset for transmitting the HARQ-ACK. After receiving an SPS PDSCH associated with the SPS configuration in a first slot, the method identifies a second slot based on the first slot and the first offset for transmitting the HARQ-ACK. The method determines whether a first PUCCH for transmitting the HARQ-ACK is contained within uplink/flexible symbols of the second slot. When the first PUCCH is not contained within the uplink/flexible symbols and also a parameter that is included in the SPS configuration indicates a deferred HARQ transmission, the method identifies a third slot based on the first slot and a second offset and transmits the HARQ-ACK on a second PUCCH in the third slot.

IPC 8 full level  
**H04L 5/00** (2006.01); **H04L 1/1607** (2023.01); **H04L 1/1829** (2023.01); **H04L 1/1867** (2023.01)

CPC (source: EP)  
**H04L 1/1614** (2013.01); **H04L 1/1854** (2013.01); **H04L 1/1861** (2013.01); **H04L 1/1896** (2013.01); **H04L 5/0055** (2013.01); **H04L 5/0078** (2013.01); **H04L 5/0094** (2013.01)

Citation (search report)  
• [XPA] EP 3866378 A1 20210818 - NOKIA TECHNOLOGIES OY [FI]  
• [A] CMCC: "Discussion on DL SPS enhancements", vol. RAN WG1, no. Reno, USA; 20191118 - 20191122, 9 November 2019 (2019-11-09), XP051823475, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg\_ran/WG1\_RL1/TSGR1\_99/Docs/R1-1912541.zip R1-1912541.docx> [retrieved on 20191109]  
• See references of WO 2022083782A1

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 2022083782 A1 20220428**; CN 116325629 A 20230623; EP 4211860 A1 20230719; EP 4211860 A4 20240710; TW 202224373 A 20220616; TW I783750 B 20221111

DOCDB simple family (application)  
**CN 2021126134 W 20211025**; CN 202180067863 A 20211025; EP 21882194 A 20211025; TW 110139461 A 20211025