Title (en)

RESOURCE ALLOCATION FOR SIDELINK ON UNLICENSED SPECTRUM

Title (de)

RESSOURCENZUWEISUNG FÜR SIDELINK AUF EINEM UNLIZENZIERTEN SPEKTRUM

Title (fr)

ATTRIBUTION DE RESSOURCES POUR LIAISON LATÉRALE SUR UN SPECTRE SANS LICENCE

Publication

EP 4304124 A1 20240110 (EN)

Application

EP 23183031 A 20230703

Priority

- CN 2022103729 W 20220704
- CN 202310754351 A 20230625

Abstract (en)

A method can include determining a resource allocation framework for sidelink communication, allocating resources in a resource grid for PSCCH, PSSCH, or PSFCH based on the framework, and transmitting at least one sub-channel index and at least one RB set index to indicate resource allocation information of PSCCH, PSSCH, or PSFCH over an SL-U spectrum, wherein the resource allocation framework comprising at least one SL-U CC including an SL-U BWP including X indexed RBs, the SL-U BWP being divided into Y indexed RPs and at least one inter-RP GB when Y being an integer greater than 1, each RP being divided into N indexed RB sets and at least one intra-cell GB when N being an integer greater than 1, K indexed interlaces configured to map the RBs cyclically per BWP, and sub-channels configured to map the interlaces per RB set and cyclically across different RB set per RP.

IPC 8 full level

H04L 5/00 (2006.01); **H04W 16/14** (2009.01)

CPC (source: EP US)

H04L 5/001 (2013.01 - US); **H04L 5/0041** (2013.01 - EP); **H04L 5/0042** (2013.01 - EP); **H04L 5/0044** (2013.01 - EP); **H04L 5/0053** (2013.01 - EP); **H04L 5/0094** (2013.01 - US); **H04W 72/25** (2023.01 - US); H04W 76/14 (2018.02 - EP)

Citation (search report)

- [A] WO 2022073183 A1 20220414 - QUALCOMM INC [US], et al
- [I] MODERATOR (HUAWEI): "FL summary#4 for AI 9.4.1.2 SL-U physical channel design framework", vol. RAN WG1, no. e-Meeting; 20220509 - 20220520, 24 May 2022 (2022-05-24), XP052204065, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg_ran/WG1_RL1/TSGR1_109-e/Docs/R1-2205241.zip> [retrieved on 20220524]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4304124 A1 20240110; TW 202404405 A 20240116; US 2024007237 A1 20240104

DOCDB simple family (application)

EP 23183031 A 20230703; TW 112124766 A 20230703; US 202318345644 A 20230630