

Title (en)
COOPERATIVE MULTIPLE-INPUT MULTIPLE-OUTPUT DOWNLINK SCHEDULING

Title (de)
KOOPERATIVE DOWNLINK-PLANUNG MIT MEHREREN EINGÄNGEN UND MEHREREN AUSGÄNGEN

Title (fr)
PLANIFICATION COOPÉRATIVE DE LIAISON DESCENDANTE À ENTRÉES ET SORTIES MULTIPLES

Publication
EP 3878106 A4 20220803 (EN)

Application
EP 19882780 A 20191031

Priority

- US 201816180799 A 20181105
- US 201816180848 A 20181105
- US 201816180869 A 20181105
- US 201816180947 A 20181105
- US 2019059196 W 20191031

Abstract (en)
[origin: WO2020096860A1] Aspects of this disclosure relate to cooperative multiple-input multiple-output (MIMO) downlink scheduling. Features are described for scheduling transmissions within a MIMO network to efficiently allocate resources considering the needs and/or characteristics of devices served by the network. The downlink mode or active set may be scheduled based at least in part on the channel state information and additional network system information detected by or otherwise available to the scheduling device.

IPC 8 full level
H04B 7/024 (2017.01); **H04B 7/06** (2006.01); **H04L 5/00** (2006.01)

CPC (source: EP KR)
H04B 7/024 (2013.01 - EP KR); **H04B 7/0617** (2013.01 - KR); **H04B 7/0626** (2013.01 - KR); **H04B 7/0689** (2013.01 - EP); **H04L 5/0035** (2013.01 - EP); **H04L 5/0044** (2013.01 - EP); **H04L 5/0091** (2013.01 - EP); **H04W 52/40** (2013.01 - KR); **H04W 72/0446** (2013.01 - KR); **H04W 72/0453** (2013.01 - KR); **H04W 72/046** (2013.01 - KR); **H04W 72/1273** (2013.01 - KR); **H04W 72/23** (2023.01 - KR); **H04W 72/51** (2023.01 - KR); **H04L 5/0057** (2013.01 - EP)

Citation (search report)

- [Y] US 2015208263 A1 20150723 - BEHRAVAN ALI [SE], et al
- [Y] US 2011034171 A1 20110210 - CHOI HYUN HO [KR], et al
- [Y] US 2016309452 A1 20161020 - CHEN XIAOQIN [AU]
- [A] US 2018092110 A1 20180329 - MALLIK SIDDHARTHA [US], et al
- See references of WO 2020096860A1

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 2020096860 A1 20200514; AU 2019375404 A1 20210520; AU 2019375404 B2 20231214; CA 3116921 A1 20200514; CN 113016147 A 20210622; EP 3878106 A1 20210915; EP 3878106 A4 20220803; KR 20210073584 A 20210618; KR 20240046312 A 20240408; TW 202029824 A 20200801; TW I796529 B 20230321

DOCDB simple family (application)
US 2019059196 W 20191031; AU 2019375404 A 20191031; CA 3116921 A 20191031; CN 201980071821 A 20191031; EP 19882780 A 20191031; KR 20217015539 A 20191031; KR 20247010767 A 20191031; TW 108140114 A 20191105