Title (en)

SOFT RESOURCE SIGNALING IN INTEGRATED ACCESS AND BACKHAUL (IAB) NETWORKS

Title (de)

WEICHE RESSOURCENSIGNALISIERUNG IN INTEGRIERTEN ZUGANGS- UND BACKHAUL (IAB)-NETZEN

Title (fr)

SIGNALISATION NON STRICTE DE RESSOURCES DANS DES RÉSEAUX À ACCÈS ET RACCORDEMENT INTÉGRÉS (IAB)

Publication

EP 3871459 A4 20220713 (EN)

Application

EP 19877240 A 20191014

Priority

- US 201862750738 P 20181025
- US 2019056110 W 20191014

Abstract (en)

[origin: WO2020086316A1] An apparatus of an Integrated Access and Backhaul (IAB) node includes processing circuitry coupled to memory. To configure the IAB node for resource assignment associated with a distributed unit (DU) child link with a child IAB node, the processing circuitry is to perform monitoring of physical downlink control channel (PDCCH) transmissions on a parent backhaul link between a mobile termination (MT) function of the IAB node and a DU function of a parent IAB node. A non-scheduled time resource for the parent backhaul link is detected based on the monitoring. Data is encoded for a downlink transmission from a DU function of the IAB node on the DU child link, the downlink transmission using the detected non-scheduled time resource.

IPC 8 full level

H04W 72/12 (2009.01); H04B 7/155 (2006.01); H04W 72/04 (2009.01); H04W 84/04 (2009.01); H04W 88/08 (2009.01)

CPC (source: EP)

H04W 72/54 (2023.01); H04B 7/15542 (2013.01); H04W 72/20 (2023.01); H04W 84/047 (2013.01); H04W 88/085 (2013.01)

Citation (search report)

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- [Y] QUALCOMM INCORPORATED: "Resource Management in IAB Network", vol. RAN WG1, 29 September 2018 (2018-09-29), pages 1 - 8, XP051518661, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F94b/Docs/R1%2D1811258%2Ezip>
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- See references of WO 2020086316A1

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

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DOCDB simple family (application)

US 2019056110 W 20191014; EP 19877240 A 20191014