Title (en)
AUTOMATED EVALUATION OF NEED FOR AN ANTENNA AMPLIFIER

Title (de)
AUTOMATISIERTE BEURTEILUNG DES BEDARFS EINES ANTENNENVERSTÄRKERS

Title (fr)
ÉVALUATION AUTOMATISÉE DE LA NÉCESSITÉ D'UN AMPLIFICATEUR D'ANTENNE

Publication
**EP 4173084 A1 20230503 (EN)**

Application
**EP 21731828 A 20210602**

Priority
• FI 20205666 A 20200624
• FI 2021050404 W 20210602

Abstract (en)
[origin: WO2021260259A1] A computer implemented method for evaluating need for an antenna amplifier in a cell of a communication network. Operation of the cell is evaluated (301). Responsive to the evaluation resulting in detecting that an amount of poor uplink quality samples or uplink-downlink imbalance exceed respective thresholds in the cell (302, 306), in combination with an amount of cable losses and traffic volume exceeding respective thresholds in the cell (303, 304), it is determined (307) that the cell would benefit from use of an antenna amplifier. Output is provided (308) to indicate that the evaluated cell would benefit from use of an antenna amplifier.

IPC 8 full level
**H01Q 23/00** (2006.01); **H03G 1/00** (2006.01); **H04B 1/18** (2006.01)

CPC (source: EP FI)
**H04B 1/18** (2013.01 - EP); **H04B 17/26** (2015.01 - FI); **H04B 17/29** (2015.01 - FI); **H04B 17/309** (2015.01 - FI); **H04L 43/04** (2013.01 - FI); **H04L 43/08** (2013.01 - FI); **H04L 43/0817** (2013.01 - FI); **H04L 43/0823** (2013.01 - FI); **H04L 43/0882** (2013.01 - FI); **H04L 43/14** (2013.01 - FI); **H04L 43/16** (2013.01 - FI); **H04W 24/02** (2013.01 - FI); **H04W 24/08** (2013.01 - FI); **H04W 88/085** (2013.01 - FI); H03G 3/3078 (2013.01 - EP)

Citation (search report)
See references of WO 2021260259A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
**WO 2021260259 A1 20211230**; EP 4173084 A1 20230503; FI 129199 B 20210915; FI 20205666 A1 20210915

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