

Title (en)

RECEIVER AND METHOD FOR REDUCING THE INFLUENCE OF NARROWBAND SPURS DURING AN OFDM SIGNAL RECEPTION

Title (de)

EMPFÄNGER UND VERFAHREN ZUR REDUZIERUNG DES EINFLUSSES VON SCHMALBANDFUNKFREQUENZSTÖRUNGEN WÄHREND EINES OFDM-SIGNALEMPFANGS

Title (fr)

RÉCEPTEUR ET PROCÉDÉ DE RÉDUCTION DE L'INFLUENCE DE PARASITES À BANDE ÉTROITE PENDANT UNE RÉCEPTION DE SIGNAL OFDM

Publication

EP 3794752 A1 20210324 (EN)

Application

EP 19709943 A 20190311

Priority

- EP 18172990 A 20180517
- EP 2019056031 W 20190311

Abstract (en)

[origin: EP3570467A1] An OFDM receiver comprising a receiving path and a narrowband spur detector. The receiving path is configured to receive a signal comprising an expected signal portion and a payload portion. The spur detector is configured to analyze the expected signal portion in order to detect a narrowband interference overlapping the signal. The knowledge about the detected spurs is used to increase the receiver performance by weighting the Log Likelihood Ratio LLR accordingly.

IPC 8 full level

H04J 11/00 (2006.01); **H04L 25/06** (2006.01); **H04L 27/26** (2006.01); **H04L 27/38** (2006.01)

CPC (source: EP)

H04J 11/0066 (2013.01); **H04L 25/067** (2013.01); **H04L 27/2647** (2013.01); **H04L 27/3809** (2013.01)

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

DOCDB simple family (publication)

EP 3570467 A1 20191120; EP 3794752 A1 20210324; WO 2019219266 A1 20191121

DOCDB simple family (application)

EP 18172990 A 20180517; EP 19709943 A 20190311; EP 2019056031 W 20190311