

Title (en)

PASSIVE INTER-MODULATION DETECTION MACHINE LEARNING FOR RADIO NETWORKS

Title (de)

MASCHINELLES LERNEN FÜR PASSIVE INTERMODULATIONSDETEKTION FÜR FUNKNETZWERKE

Title (fr)

APPRENTISSAGE AUTOMATIQUE DE DÉTECTION D'INTERMODULATION PASSIVE POUR DES RÉSEAUX RADIO

Publication

**EP 4289071 A1 20231213 (EN)**

Application

**EP 21704950 A 20210208**

Priority

IB 2021051005 W 20210208

Abstract (en)

[origin: WO2022167844A1] A method and network node configured for detection of passive intermodulation (PIM) detection by a machine learning system for Fifth Generation (5G) and Fourth Generation (4G) radio networks are disclosed. According to one aspect, a method in a network node includes detecting a presence of PIM in a received signal by inputting signal statistics of a Fourier transform of the received signal to a neural network trained to determine a presence of PIM.

IPC 8 full level

**H04B 1/10** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2022167844A1

Designated contracting state (EPC)

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