

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

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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

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CPC (source: EP)

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Citation (search report)

See references of WO 2022167844A1

Designated contracting state (EPC)

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