

Title (en)

RADIOFREQUENCY DIGITIZER WITH ENHANCED DYNAMICS

Title (de)

HOCHFREQUENZDIGITALISIERER MIT VERBESSERTER DYNAMIK

Title (fr)

NUMÉRISEUR RADIOFRÉQUENCE À DYNAMIQUE AUGMENTÉE

Publication

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Application

**EP 22805883 A 20221025**

Priority

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- EP 2022079726 W 20221025

Abstract (en)

[origin: WO2023072906A1] The invention relates to a radiofrequency digitizer (10) comprising a module (12) for dividing the power between: a first branch (14) comprising: - a device (16) for applying a variable gain, - a first analog-to-digital converter (18), - a first module (20) for applying a digital gain, and a second branch (15) comprising: - an analog combining/coupling module (24) connected, at the output, to the module for dividing the power, and to a branch (26) for analog feedback of the digital signal from said first analog-to-digital converter, comprising: - a digital-to-analog converter (28); - a module (30) for applying an analog gain; - a second module (32) for applying an analog gain; - a second analog-to-digital converter (34); - a second module (36) for applying a digital gain, each output of the first and second branch being connected to a digital combining/coupling module (38).

IPC 8 full level

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