

Title (en)

Active wide-band reception antenna with regulation of the receiving level

Title (de)

Aktive Breitband-Empfangsantenne mit Empfangspegel-Regelung

Title (fr)

Antenne active de réception large bande avec régulation du niveau de réception

Publication

**EP 1406349 B1 20080528 (DE)**

Application

**EP 03019899 A 20030902**

Priority

DE 10245813 A 20021001

Abstract (en)

[origin: EP1406349A2] The device has a passive part with output connections connected to amplifier stage input connections and reduced internal impedance if a defined reception level is exceeded. The amplifier input stage amplifying element's high impedance control port has a HF connection to the passive part. An electronic element reduces the reception level in a transfer network whose linearising input admittance is lower when the HF input signal is attenuated. The device consists of a passive part (1) whose output connections are connected to the input connections of an amplifier stage (21) and its internal impedance is reduced when a defined reception level is exceeded. The amplifier-input stage contains a 3-pole amplifying element (2) whose high impedance control port (15) has a high frequency connection to the first connection of the passive part. The amplifier has an electronic element (32) for reducing the reception level in a transfer network (31), whose linearising input admittance (7') is lower when the high frequency input signal is attenuated.

IPC 8 full level

**H01Q 1/32** (2006.01); **H01Q 23/00** (2006.01); **H01Q 1/12** (2006.01)

CPC (source: EP KR US)

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Cited by

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