

Title (en)

WIRELESS SIGNAL AMPLIFICATION SYSTEM AND A TELEVISION SIGNAL DECODER COMPRISING ONE SUCH SYSTEM

Title (de)

SYSTEM ZUR VERSTÄRKUNG EINES HOCHFREQUENZSIGNALS UND DEKODIERER FÜR FERNSEHSIGNALE MIT EINEM SOLCHEN SYSTEM

Title (fr)

SYSTEME D'AMPLIFICATION D'UN SIGNAL HERTZIEN ET DECODEUR DE SIGNAUX DE TELEVISION COMPORTANT UN TEL SYSTEME

Publication

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Application

EP 02732884 A 20020524

Priority

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Abstract (en)

[origin: FR2826525A1] The invention relates to a wireless signal amplification system (1) comprising amplification means (6) consisting of numerous different amplifiers (61 to 6n) which are distributed in an analogue processing chain (4). Said invention also comprises means for converting (12) analogue signals into digital signals which, at input, are connected to the outlet of said analogue processing chain (4) and, at output, are connected to at least the gain control means (16) of said amplification means (6) according to a value that is representative of a characteristic of said wireless signal (1). In this way, the sampling of said wireless signal (1) by the converter (12) is optimised. Said control means (16) comprise means for establishing an average gain control signal (18). The inventive system is characterised in that said control means (16) also comprise, for each of said amplifiers (61 to 6n), means for calculating an individual gain control signal (20i to 20n) according to a transfer function (H1 to Hn) which is specific to each amplifier and which is applied to the average gain control signal.

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