Title (en)
METHOD FOR ADJUSTING THE AMPLIFICATION OF A HIGH FREQUENCY SIGNAL

Title (de)
VERFAHREN ZUR REGELUNG DER VERSTÄRKUNG EINES HOCHFREQUENTEN SIGNALS

Title (fr)
PROCEDE DE REGULATION DE L'AMPLIFICATION D'UN SIGNAL HAUTE FREQUENCE

Publication
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Application
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Abstract (en)
[origin: WO03005564A2] The invention relates to a method for adjusting the amplification of a high frequency signal, a transmitter or receiver unit and a communication system. The aim of the invention is to provide a method and a device for improved use of a polar-loop concept in a transmitter, especially for a mobile radio link. According to said method for adjusting the amplification of a high frequency signal, wherein the phase angle and the amplitude of an error-free input signal (Usoll) are separated from each other with a defined part of an output signal (Uout) and readjusted, an output voltage (Uc) of a battery voltage modulator (M) is evaluated as a measure for an error at the output of a transmitter amplifier (PA) and taken into account in order to provide a correction.

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Citation (search report)
See references of WO 03005564A2

Citation (examination)
FREDERICK H RAAB ET AL: "<tex>$L$</tex></maths>-Band Transmitter Using Kahn EER Technique", IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 46, no. 12, 1 December 1998 (1998-12-01), XP011037427, ISSN: 0018-9480

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