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TRANSMITTER STAGE

Title (de)
SENDESTUFE

Title (fr)
ETAGE D'EMISSION

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Application
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Abstract (en)
[origin: WO2004055971A2] The invention relates to a transmitter stage working according to the envelope restoration principle. Said stage comprises a device (14) for providing an amplitude representation and a phase representation of an amplitude and phase modulated signal which is to be sent, a phase control loop (PLL) with a feed-forward branch (16) and a feedback branch (17) and an amplification control device (21) which is embodied in such a manner that it can transform the amplitude representation into an amplification control signal which can be fed into the amplification control input of a non-linear power amplifier. A digital/analog converter is arranged in the feed-forward branch (16). Additionally, an analog/digital converter is arranged in the feedback branch (17) such that the phase detector of the phase control loop is embodied in a digital form. The invention provides a transmitter stage which is precise and which can be economically implemented as a result of a large amount of digital signal processing.

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