Title (en)
   DEVICE FOR THE LOW-DISTORTION TRANSFORMATION, PARTICULARLY AMPLIFICATION, OF SIGNALS

Title (de)
   VORRICHTUNG ZUR VERZERRUNGSARMEN UMFORMUNG, INSBESONDERE VERSTÄRKUNG, VON SIGNALEN

Title (fr)
   DISPOSITIF DE TRANSFORMATION, EN PARTICULIER D'AMPLIFICATION DE SIGNAUX, AVEC UN NIVEAU FAIBLE DE DISTORSION

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Application
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Abstract (en)
   [origin: WO2008077387A2] The invention describes a device for the low-distortion transformation, particularly amplification, of signals. In one embodiment, the device comprises a digital-to-analog converter having adjustable reference voltages, to which an analog-to-digital converter having adjustable reference voltages may be connected upstream. In a further embodiment, the device has a unit, which predistorts a digitized signal, or a digital signal, corresponding to the transmission characteristic curve of the amplifier. In a further embodiment, the device has a unit, which equalizes a distorted digitized signal corresponding to the transmission characteristic curve of the amplifier stored in the unit. In yet a further embodiment, the device has a digital-to-analog converter operating on the basis of the summation of weighted currents.

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