Title (en)
METHOD AND DEVICE FOR DIGITIZING A HIGH-DYNAMIC ANALOG MEASURING SIGNAL

Title (de)
VERFAHREN UND VORRICHTUNG ZUM DIGITALISIEREN EINES ANALOGEN MESSSIGNALS MIT HOHER DYNAMIK

Title (fr)
PROCEDE ET DISPOSITIF POUR LA NUMERISATION D'UN SIGNAL DE MESURE ANALOGIQUE A DYNAMIQUE ELEVEE

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Application
EP 98931923 A 19980415

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Abstract (en)
[origin: WO9849776A1] The invention relates to a method or a device for digitizing an analog measuring signal (M). According to the invention, the measuring signal (M) is scaled by means of multiplication by a scaling factor (A(ti)), and the signal amplitudes of the scaled measuring signal (M'(ti)) are converted at successive sampling instants (ti) into a data word (D(ti)), by an analog to digital converter. The data word (D(ti)) is regulated by setting the scaling factor (A(ti)) to a predetermined data word setpoint (DS) from the control range of the analog to digital converter (3) at each sampling instant (ti).
[origin: WO9849776A1] The invention relates to a method or a device for digitizing an analog measuring signal (M). According to the invention, the measuring signal (M) is scaled by means of multiplication by a scaling factor (A(ti)), and the signal amplitudes of the scaled measuring signal (M'(ti)) are converted at successive sampling instants (ti) into a data word (D(ti)), by an analog to digital converter. The data word (D(ti)) is regulated by setting the scaling factor (A(ti)) to a predetermined data word setpoint (DS) from the control range of the analog to digital converter (3) at each sampling instant (ti).

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