

Title (en)

METHOD AND DEVICE FOR DETECTING A POLARITY REVERSAL IN A SENSOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG EINER VERPOLUNG BEI EINEM SIGNALGEBER

Title (fr)

PROCEDE ET DISPOSITIF DE RECONNAISSANCE D'UNE INVERSION DE POLARITE D'UN DETECTEUR DE SIGNAUX

Publication

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Application

EP 00993644 A 20001215

Priority

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Abstract (en)

[origin: DE19963007A1] The method involves scanning a number of equally spaced angle marks (12,16-19) on the transmitter disc (10,14) to produce an output signal (U20,U21) with positive and negative half-oscillations, which are each generated by the flanks of the angle marks. An evaluation unit converts the signals to rectangular signals. The interval between the level changes is used to detect a polarisation reversal. An evaluation unit converts the signals to rectangular signals, by changing the signal between first and second levels at first and second switching values. The interval between the level changes is used to detect a polarization reversal. The transmitter disk has a reference mark (13), with a larger spacing than the other angle marks. The polarization reversal is detected if the interval of a given level change in the area of the reference mark does not equal the expected interval. An Independent claim is included for a device for implementing the method.

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