

Title (en)  
PULSE GENERATOR

Publication  
**EP 0297498 B1 19930310 (DE)**

Application  
**EP 88110268 A 19880628**

Priority  
DE 3721460 A 19870630

Abstract (en)  
[origin: EP0297498A2] At least two contact pairs, a gear wheel and a leaf spring are provided in a pulse generator, the end of the leaf spring engaging in a latching manner in a tooth gap of the gear wheel, in the quiescent position. After each rotation angle, corresponding to one tooth pitch, after deflection by a tooth, the end of the leaf spring springs into the next tooth gap in a latching manner and, depending on the direction of rotation of the gear wheel, one of the contact pairs can be switched per tooth pitch in each case once. To avoid missing pulses, or additional pulses as a result of contact bouncing, one of the contact pairs (33, 35; 33, 36; 34, 37; 34, 38) is arranged on each side of the leaf spring (12). Movable transverse slides (17, 18) are assigned to the leaf spring (12) such that, when the gear wheel (7) rotates in the one direction of rotation, the first transverse slide (17) can move, and the first contact pair (34, 37 and/or 37, 38) can be operated, and the second transverse slide (18) remains in its quiescent position, and such that, on rotation of the gear wheel (7) in the other direction of rotation, the second transverse slide (18) can move, and the second contact pair (33, 36 and/or 33, 35) can be operated, and the first transverse slide (17) remains in its quiescent position. In addition, such a pulse generator is of compact construction and can be produced economically.

IPC 1-7  
**H01H 19/00; H01H 19/10**

IPC 8 full level  
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CPC (source: EP)  
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