

Title (en)

Switching circuit for generating a switch-on signal for battery-powered coin testers

Title (de)

Schaltungsanordnung zur Erzeugung eines Einschaltsignals für batteriebetriebene Münzprüfer

Title (fr)

Circuit de commutation pour la génération d'un signal de démarrage pour sélecteur de pièces de monnaie alimenté par piles

Publication

**EP 1193656 A3 20050202 (DE)**

Application

**EP 01250342 A 20010927**

Priority

DE 10049758 A 20000929

Abstract (en)

[origin: EP1193656A2] The circuit has an oscillator with a detection coil and a first switch element that outputs the control signal when the coin is inserted. A first stage sets the oscillator working point in the rest state. A second stage has a switch element that acts as a constant current source in the rest state. Its current changes when a coin is inserted depending on oscillator output voltage so the first switch element switches and outputs a switch-on signal. The circuit has an oscillator (1) with a coil for detection coin insertion whose output signal is changed by the coin and a first electronic switch element (Q4) that outputs the control signal when the coin is inserted by changing its control voltage. A first stage (2) sets the oscillator working point in the rest state. A second stage (3) connected to the oscillator output has a second electronic switch element (Q2) and is connected to the first stage so that the second switch element acts as a constant current source in the rest state. The current in the switch element changes when a coin is inserted depending on the oscillator output voltage so that the first switch element switches and delivers the switch-on signal.

IPC 1-7

**H03K 17/95**; **G07D 5/00**

IPC 8 full level

**G07D 5/08** (2006.01)

CPC (source: EP)

**G07D 5/08** (2013.01)

Citation (search report)

- [XY] GB 2011086 A 19790704 - SKF UK LTD
- [Y] US 3581105 A 19710525 - GISH DAVID B

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**EP 1193656 A2 20020403**; **EP 1193656 A3 20050202**; **EP 1193656 B1 20071212**; AT E381147 T1 20071215; DE 10049758 A1 20020418; DE 10049758 B4 20040722; DE 50113361 D1 20080124; ES 2296704 T3 20080501

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