

Title (en)

ELECTROMECHANICAL IMPULSE GENERATOR COMPRISING A ROTATABLE CAM WHEEL IN THE FORM OF A TOOTHED RING

Title (de)

ELEKTROMECHANISCHER IMPULSGENERATOR MIT EINEM ZAHNKRANZARTIGEN DREHBAREN NOCKENRAD

Title (fr)

GENERATEUR D'IMPULSIONS ELECTROMECHANIQUES COMPRENANT UN PIGNON DE DISTRIBUTION PIVOTANT A LA MANIERE D'UNE ROUE DE CAME A LA MANIERE D'UNE COURONNE DENTEE

Publication

EP 1444712 A2 20040811 (DE)

Application

EP 02792596 A 20021112

Priority

- DE 0204191 W 20021112
- DE 10155471 A 20011112
- DE 20206744 U 20020429

Abstract (en)

[origin: WO03043040A2] The invention relates to a cam wheel (2) comprising circularly distributed toothed cams (9). Said cam wheel can be rotated over a pivotable trip cam (8, 20) which slightly protrudes between the toothed cams. Said trip cam (8, 20) is connected to laterally projecting contact arms (12, 36) in a fixed manner, the free ends of said arms being at a distance over mating contacts (14) of a printed circuit board, in a central position. During the rotation of the cam wheel (2), the trip cam (8, 20) is driven in the same direction and is pivoted until the contact arm (12, 36) oriented in the rotational direction is positioned on the associated mating contact in such a way that it makes contact. When the rotation continues, the trip cam (8) goes back into its central starting position, under the action of a restoring spring (11, 26), the contact being broken. Said arrangement enables the structure of the impulse generator to be simplified and the functional reliability thereof to be increased.

IPC 1-7

H01H 19/00; **H01H 25/00**

IPC 8 full level

H01H 19/00 (2006.01); **H01H 25/00** (2006.01)

CPC (source: EP)

H01H 19/005 (2013.01); **H01H 25/008** (2013.01); **H01H 2019/006** (2013.01); **H01H 2019/146** (2013.01)

Citation (search report)

See references of WO 03043040A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03043040 A2 20030522; **WO 03043040 A3 20030814**; EP 1444712 A2 20040811

DOCDB simple family (application)

DE 0204191 W 20021112; EP 02792596 A 20021112