

Title (en)
Device for triggering a pulse

Title (de)
Vorrichtung zur Auslösung eines Impulses

Title (fr)
Dispositif de déclenchement d'une impulsion

Publication
EP 1857890 A2 20071121 (FR)

Application
EP 07000230 A 20070108

Priority
CH 5112006 A 20060330

Abstract (en)
The device has a cam plate (9) with a pallet connected to a control wheel (2), and a pivoting lever (13) with a sensor (15) cooperating with a peripheral surface of the plate. A barrel (23) has a cylinder (22) carrying a snail cam (24). A finger (17), a ratchet (33) and pull-off springs (21, 35) constitute a blocker, which is activated when the sensor falls from the pallet for releasing the cylinder such that the barrel is withdrawn at a preset angle. A lever (26) has a sensor (25) cooperating with the cam, where a free end of the lever (26) activates a push button (29) of an equalizer (30).

Abstract (fr)
Le dispositif de déclenchement d'impulsion mécanique comporte des premiers moyens (2, 6, 9, 13, 17) entraînés par un mouvement d'horlogerie déterminant le moment où une impulsion doit être délivrée et des seconds moyens (22, 23, 24, 26, 30, 31, 33), déclenchés par les premiers moyens, délivrant une impulsion mécanique de force et d'amplitude prédéterminées à partir d'un organe moteur (22, 23) indépendant du mouvement d'horlogerie.

IPC 8 full level
G04B 1/12 (2006.01); **G04B 3/04** (2006.01); **G04B 19/25** (2006.01); **G04B 19/253** (2006.01)

CPC (source: EP)
G04B 1/12 (2013.01); **G04B 3/048** (2013.01); **G04B 19/25** (2013.01); **G04B 19/25393** (2013.01)

Citation (applicant)
• EP 1498788 A1 20050119 - ETERNA SA [CH]
• FR 745474 A 19330510
• FR 747876 A 19330624

Cited by
EP4321939A1; CH712012A1; FR2973123A1; US8750080B2; WO2017121839A1; WO2012127054A1

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CH DE FR GB LI

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1857890 A2 20071121; **EP 1857890 A3 20110601**; **EP 1857890 B1 20120530**; CN 101067741 A 20071107; CN 101067741 B 20110330; HK 1105462 A1 20080215

DOCDB simple family (application)
EP 07000230 A 20070108; CN 200710100671 A 20070316; HK 07113790 A 20071218