

Title (en)

ELECTRIC SWITCH TRIGGERED BY IMMERSION, AND PYROTECHNICAL DEVICE MAKING USE OF SUCH A SWITCH

Publication

**EP 0174891 B1 19890208 (FR)**

Application

**EP 85401640 A 19850813**

Priority

FR 8412780 A 19840814

Abstract (en)

[origin: EP0174891A1] 1. Electric switch triggered by immersion, comprising at least two electrodes (1) and (2) placed inside a casing (3, 23) and adapted to be electrically connected by the aqueous medium in which the switch is immersed, said electrodes being connected to an electronic circuit (4) preferably including at least one thyristor (4a) whose triggering threshold is reached when the aqueous medium connects the two electrodes (1) and (2), characterized in that on the one hand the casing (3) has at least one opening closed by a filter (5, 25) through which the aqueous medium can pass only when it is at a pressure whose value is at least 1000 Pa (0,01 bar) higher than the value of the pressure prevailing in the inside chamber (6, 26) of the switch, and in that on the other hand the distance between the two electrodes (1) or (2) and the inside surface of the filter (5, 25) is less than 3 millimetres.

IPC 1-7

**H01H 35/42**

IPC 8 full level

**H01H 35/42** (2006.01)

CPC (source: EP)

**H01H 35/42** (2013.01)

Cited by

EP0331776A1; FR2731554A1; US5847473A; WO9628834A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0174891 A1 19860319; EP 0174891 B1 19890208**; DE 3568235 D1 19890316; FR 2569305 A1 19860221; FR 2569305 B1 19861219

DOCDB simple family (application)

**EP 85401640 A 19850813**; DE 3568235 T 19850813; FR 8412780 A 19840814