

Title (en)

Light scattering smoke alarm with means of suppressing an acoustic warning if battery voltage is low

Title (de)

Streulicht-Brandmelder mit Mitteln zur Unterdrückung einer akustischen Warnung im Falle einer niedrigen Batteriespannung

Title (fr)

Alarme incendie à lumière diffusée dotée de moyens de suppression d'une alerte acoustique en cas de faible tension d'alimentation

Publication

EP 2423895 B1 20170308 (DE)

Application

EP 11178548 A 20110823

Priority

DE 102010039835 A 20100826

Abstract (en)

[origin: EP2423895A2] The audible and/or optical detectors (5,6) output an acoustic and/or visual alarm (AA,OA) in the detected event of fire. Independent electrical supply of fire detector is provided by a battery (4) whose voltage is measured by a voltage measuring unit. Acoustic warning (AW) is transmitted as output when battery voltage is below voltage limit (Ulow). The output of acoustic warning is transmitted if the ambient light brightness is below limit value (HG). The detection unit is an open scattered light detecting unit with an exterior fire alarm detection chamber (DR).

IPC 8 full level

G08B 17/107 (2006.01); **G08B 29/18** (2006.01)

CPC (source: EP US)

G08B 17/107 (2013.01 - EP US); **G08B 29/181** (2013.01 - EP US)

Citation (opposition)

Opponent : Hekatron Vertriebs GmbH

- EP 1515290 A1 20050316 - SIEMENS AG [DE]
- US 4287517 A 19810901 - NAGEL RICHARD A
- US 4300133 A 19811110 - SOLOMON ELIAS E
- EP 2028631 A2 20090225 - HEKATRON VERTRIEBS GMBH [DE]
- WO 2006044750 A2 20060427 - KIDDE PORTABLE EQUIPMENT INC [US], et al
- WO 02071357 A1 20020912 - BRK BRANDS INC [US]
- WO 9738406 A1 19971016 - GARRICK GILBERT ALAIN LINDSAY [AU], et al
- EP 2093732 A1 20090826 - SIEMENS AG [DE]
- EP 2093734 A1 20090826 - SIEMENS AG [DE]
- EP 1783712 A1 20070509 - SIEMENS SCHWEIZ AG [CH]
- EP 1191496 A1 20020327 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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EP 11178548 A 20110823; CN 201110314373 A 20110826; US 201113218554 A 20110826