

Title (en)

Alarm device and method for its operation and production

Title (de)

Alarmvorrichtung und Verfahren zu deren Herstellung und Betrieb

Title (fr)

Dispositif d'alerte et son procédé de fabrication et de fonctionnement

Publication

**EP 2528046 A1 20121128 (DE)**

Application

**EP 11167160 A 20110523**

Priority

EP 11167160 A 20110523

Abstract (en)

The device has a textile sheet structure (12) i.e. alarm textile, comprising a backing fabric (16) and electrical alarm conductors (18, 18') integrated into the fabric. A damage detector (14) monitors damage of the structure. The conductors are woven into the fabric as a warp thread and/or weft thread under formation of a laminar alarm cell (30). The alarm conductors are electrically connected with the detector over a current path and supply lines (22, 22') that are arranged parallel to each other. The detector is coupled with a control device over bus lines that are woven into the fabric. Independent claims are also included for the following: (1) a method for manufacturing an alarm device (2) a method for operating an alarm device.

Abstract (de)

Um bei einer Alarmvorrichtung mit einem Trärgewebe (16) und darin integrierten elektrischen Alarmleitern (18,18') die Überwachungsmöglichkeiten zu verbessern, wird vorgeschlagen, dass die Alarmleiter (18,18') als Kettfäden und/oder Schussfäden unter Bildung mindestens einer flächigen Alarmzelle (30) in das Trärgewebe (16) eingewebt sind, und dass die Alarmleiter (18,18') über jeweils einen eigenen Strompfad gesondert voneinander mit einem Beschädigungsdetektor (14) verbunden sind.

IPC 8 full level

**B60R 25/10** (2006.01); **G08B 13/12** (2006.01)

CPC (source: EP)

**G08B 13/12** (2013.01)

Citation (applicant)

EP 2180453 A1 20100428 - SEFAR AG [CH]

Citation (search report)

- [X] US 2007001844 A1 20070104 - KRILL JERRY A [US]
- [I] WO 2010150157 A1 20101229 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] EP 0983917 A1 20000308 - HI G TEK LTD [IL]
- [A] FR 2878227 A1 20060526 - EUROCOPTER FRANCE [FR]

Cited by

CN113715255A; CN109162482A; EP3147878A3; ITUB20153880A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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