

Title (en)

A low current RF alarm device mesh network

Title (de)

HF-Alarmvorrichtung-Maschennetzwerk mit Schwachstrom

Title (fr)

Réseau maillé de dispositif d'alarme RF à faible courant

Publication

**EP 2581891 A2 20130417 (EN)**

Application

**EP 12188123 A 20121011**

Priority

IE 20110457 A 20111012

Abstract (en)

A wireless alarm device network (1) comprises alarm devices (A-J, L) each having a processor, a wireless communication interface, and a condition sensor. The devices are communicate by wirelessly transmitting messages, and in a learning mode, automatically register in a monitoring cluster according to received signal strengths. A device (A-J, K) recognises a device as being in its cluster if at least received signal strength exceeds a threshold. Each device is adapted to monitor each other device or devices in its cluster, and to generate an alert if it determines that a device in its cluster is not sending messages.

IPC 8 full level

**G08B 25/00** (2006.01); **G08B 29/06** (2006.01)

CPC (source: EP)

**G08B 25/003** (2013.01); **G08B 25/009** (2013.01); **G08B 29/06** (2013.01)

Citation (applicant)

- US 5587705 A 19961224 - MORRIS GARY J [US]
- EP 1501060 A1 20050126 - E I TECHNOLOGY LTD [IE]
- EP 1903523 A1 20080326 - E I TECHNOLOGY LTD [IE]

Cited by

EP2843636A1; FR3013143A1; WO2017072559A1; WO2018115854A3; WO2015071606A1; US10848200B2; EP3093827B1; EP2843636B1

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)

**EP 2581891 A2 20130417**; **EP 2581891 A3 20140507**; **EP 2581891 B1 20151028**; **EP 2581891 B8 20151230**; IE 20120451 A1 20130508

DOCDB simple family (application)

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