

Title (en)

Radio controlled alarm system with substations and safe data transmission

Title (de)

Funkgesteuerte Gefahrenmeldeanlage mit Unterzentralen und sicherer Datenkommunikation zwischen den einzelnen Komponenten

Title (fr)

Système d'alarme commandé par radio avec sous-stations et transmission sûr de données

Publication

EP 0811959 A1 19971210 (DE)

Application

EP 97109071 A 19970605

Priority

DE 19622880 A 19960607

Abstract (en)

The system has a number of remote signal generators (1-7) that communicate bidirectionally with a central station (12) via a number of substations (8-11). Each of the substations is also in bidirectional contact with each other. A number of substations (9-11) may be in direct contact with the central station. The mode of communication is determined by a Received-Signal-Strength-Indicator (RSSI) table which defines channel quality and synchronises substations with central station. The communication channels are constantly monitored, and transmission quality is measured and stored on a microcomputer system of the central station.

Abstract (de)

Die Erfindung ermöglicht einen sicheren Datenaustausch zwischen den einzelnen Komponenten einer Gefahrenmeldeanlage, indem die einzelnen Komponenten der Anlage mit jeweils einem Sender und einem Empfänger ausgestattet sind und ständig bidirektional miteinander in Verbindung stehen. <IMAGE>

IPC 1-7

G08B 25/10; **G08B 25/00**

IPC 8 full level

G08B 25/00 (2006.01); **G08B 25/10** (2006.01)

CPC (source: EP)

G08B 25/009 (2013.01); **G08B 25/10** (2013.01)

Citation (search report)

- [A] EP 0676733 A1 19951011 - HARRISON BROTHERS STEEPLEJACKS [GB]
- [A] US 5148148 A 19920915 - SHIMA HIROSHI [JP], et al
- [A] FR 2708774 A1 19950210 - GUILLO JEAN [FR]
- [A] US 5461365 A 19951024 - SCHLAGER DAN [US], et al
- [A] FR 2675323 A1 19921016 - CRDE [FR]
- [X] LÖHLE H.: "BORDER MASTER 2000 - AN ADVANCED BORDER SURVEILLANCE SYSTEM", ELECTRICAL COMMUNICATION, June 1994 (1994-06-01), PARIS, pages 153 - 158, XP000461586

Cited by

EP2355065A1; US7295127B2; EP1469437A3; EP1477951A3; ITMI20101634A1; EP1282095A3; EP1244081A1; ITTO20110185A1; EP1244082A1; NL1008011C2; EP1630760A1; FR2787905A1; EP1204083A1; FR2816430A1; EP1903523A1; EP1363260A1; FR2839593A1; EP2416300A4; US8081073B2; US8155105B2; US8714449B2; EP1282095A2; US7835343B1; US9198014B2; WO2006067826A1; WO03058569A1; WO02086837A1; WO9840860A1; WO2012117364A1; US7463145B2; US7145466B2; EP2681723A1; US6703931B2; US7714733B2; US9679455B2

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