

Title (en)
ULTRASONIC COMMUNICATION AND SECURITY SYSTEM.

Title (de)
ULTRASCHALL-VERBINDUNGS- UND -SICHERHEITSSYSTEM.

Title (fr)
SYSTEME ULTRASONIQUE DE COMMUNICATION ET DE SECURITE.

Publication
EP 0058721 A1 19820901 (EN)

Application
EP 81902786 A 19810820

Priority
• US 18249780 A 19800829
• US 28202981 A 19810709

Abstract (en)
[origin: WO8200910A1] An ultrasonic communication system capable of wireless installation and supervised operation is achieved by communicating each information bit as two distinct ultrasonic frequencies separated in frequency enough to assure that the signal strength of neither will be in a deep null at the receiver at the same time. The transmissions can be frequency coded and/or time coded with a format that recognizes the correct data transmission even if reception of one frequency is lost. By use of transponders (T) and other auxiliary units (PB) with periodic polling by Central Data Unit (CDU), supervised operation throughout a building can be maintained with events such as intrusion, fire or emergency as well as failures of particular units of the system reported.

Abstract (fr)
Un systeme de communication par ondes ultrasonores pouvant etre installe sans fil et a fonctionnement supervise est obtenu en communiquant chaque bit d'information sous forme de deux frequences ultrasonores distinctes dont la separation de frequence est suffisante pour s'assurer que l'intensite du signal de l'une ou l'autre des frequences ultrasonores ne se trouve dans une zone de silence profond au niveau du recepteur au meme instant. Les transmissions peuvent etre codees en frequence et/ou en temps avec un format qui reconnait la transmission correcte des donnees meme si la reception d'une frequence est perdue. En utilisant des transpondeurs (T) et d'autres unites auxiliaires (PB) avec scrutin periodique effectuee par l'unite centrale des donnees (CDU), la surveillance de tout un edifice peut etre assuree tout en indiquant les cas d'intrusion, de feu ou de secours ainsi que les defaillances de certains appareils du systeme.

IPC 1-7
G08B 26/00; **H04Q 7/00**; **G01S 13/74**

IPC 8 full level
G08B 1/00 (2006.01); **G08B 1/08** (2006.01); **G08B 26/00** (2006.01); **G08B 25/00** (2006.01); **H04B 11/00** (2006.01)

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