

Title (en)

Magnetic theft or intrusion security system and suitable metallic sensor element therefor.

Title (de)

Magnetisches Diebstahl- bzw. Einbruch-Sicherungssystem sowie hierfür geeignetes Sensor-Metallelement.

Title (fr)

Système de sécurité magnétique contre le vol, respectivement contre l'intrusion ainsi que capteur-élément de métal approprié à cet effet.

Publication

EP 0319637 B1 19950510 (DE)

Application

EP 88104515 A 19880322

Priority

DE 3741780 A 19871210

Abstract (en)

[origin: EP0319637A2] Arrangement for safeguarding objects located in a room provided with at least one room outlet, particularly a (self-service) sales location such as, for example, a supermarket, against theft or against burglary, in which the objects to be safeguarded are in each case provided with at least one magnetically activatable metal sensor element, comprising a first device, to be arranged at each room outlet, for generating a magnetic field in the area of which a magnetically activated metal sensor element in each case arranged at an object to be safeguarded generates a signal when a limit field strength value is exceeded, and a second device associated with the first device, by means of which a signal is to be detected and to be supplied to an alarm device in order to trigger an alarm, the metal sensor elements (8) in each case being constructed in such a manner that they generate in the active state in an area of the magnetic field in which the field strength is greater than a lower limit value an atypical signal which is not generated by other metallic objects when magnetically excited but is only generated by a magnetisable object when the latter has been selectively subjected to a special treatment; and in that the first device consists of at least one (first) field coil (9) having a preferably horizontal centre axis (16) which annularly surrounds the relevant room outlet (1) and the height (H) and width (B) of which is constructed in such a manner that a person can pass it in the direction of its centre axis (16), and a metal sensor element suitable for this purpose and the use of a Wiegand wire as metal sensor element for a safeguarding system. <IMAGE>

IPC 1-7

G08B 13/24

IPC 8 full level

G08B 13/24 (2006.01)

CPC (source: EP US)

G08B 13/2408 (2013.01 - EP US); **G08B 13/2474** (2013.01 - EP US)

Cited by

US5459451A; FR2946154A1; WO2010136316A3

Designated contracting state (EPC)

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