

Title (en)

Data transmission system for a wireless danger signal arrangement.

Title (de)

Datenübertragungssystem für eine kabellose Gefahrenmeldeanlage.

Title (fr)

Système de transmission de données pour un arrangement sans fil signalant les risques.

Publication

EP 0338274 B1 19940831 (DE)

Application

EP 89105072 A 19890321

Priority

DE 3813075 A 19880419

Abstract (en)

[origin: EP0338274A1] The transmission system has a multiplicity of area central units in each case with associated danger alarm devices and a building alarm central unit (GZ), interconnected via existing lighting circuit lines (NL). Danger alarm data (GMD) from danger alarm detectors is transmitted from the danger alarm devices via infrared transmitters to the infrared receiving devices of the area central unit. This data is processed therein in a respective microprocessor system (MP) and transmitted as binary data via the line network (NKE; NL) to the building central unit and vice versa. This is carried out by means of the network transmission device (NUE) provided for this purpose which, by making use of the existing microprocessor system (MP), forms a carrier-frequency transmission system with phase modulation (PM; PD1, PD2), where the adjustable carrier frequency (TF) is stabilised by a quartz crystal (MQ). The transmission is performed in time-division multiplex mode in selectable channels, while the signal evaluation is carried out in the respective microprocessor system (MP). <IMAGE>

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CPC (source: EP)

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