

Title (en)
Glass plate breakage detector.

Title (de)
Glasbruchmelder.

Title (fr)
Détecteur de bris de vitre.

Publication
EP 0358942 A2 19900321 (DE)

Application
EP 89114635 A 19890808

Priority
DE 3828486 A 19880822

Abstract (en)
A glass plate breakage detector is to be presented, which can be mounted without connection cables on a pane of glass to be monitored and has small outer dimensions. The glass plate breakage detector is to be designed in such a way that it can be manufactured by fully automatic production methods. Inside the glass plate breakage detector, the receiver detecting the vibrations typically occurring when there is a glass breakage consists of a frequency sensor (F), manufactured micromechanically, which is integrated, together with an electronic evaluation device (A) and a transmission device (SE), in a common substrate (S). The transmission device (SE) passes a detected glass breakage radiotelegraphically to a receiving device which has access to an alarm system. The glass plate breakage detector additionally contains its own power supply. Glass plate breakage detectors of this type are very small and can therefore be mounted easily and inconspicuously, especially since no cabling is necessary. The glass plate breakage detectors can be manufactured particularly inexpensively by automatic production methods. <IMAGE>

Abstract (de)
Der die bei einem Glasbruch auftretenden typischen Schwingungen erkennende Empfänger innerhalb des Glasbruchmelders besteht aus einem mikromechanisch hergestellten Frequenzsensor (F), der zusammen mit einer elektronischen Auswerteeinrichtung (A) und einer Sendeeinrichtung (SE) in ein gemeinsames Substrat (S) hinein integriert ist. Die Sendeeinrichtung (SE) gibt eine erkannte Glasbruchmeldung drahtlos an eine Empfangseinrichtung weiter, welche Zugang zu einer Alarmanlage hat. Der Glasbruchmelder enthält außerdem eine eigene Stromversorgung (SV).

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