Title (en)

ANTI-MASK FUNCTIONALITY FOR ACOUSTIC GLASS-BREAK DETECTORS

Title (de)

ANTIMASKENFUNKTIONALITÄT FÜR AKUSTISCHE GLASBRUCHDETEKTOREN

Title (fr)

FONCTIONNALITÉ ANTI-MASQUE POUR DÉTECTEURS DE BRIS DE VERRE ACOUSTIQUE

Publication

EP 3493169 A1 20190605 (EN)

Application

EP 17204945 A 20171201

Priority

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Abstract (en)

The present invention provides an acoustic glass-break detector having anti-masking functionality comprising:i) a first and a second microphone for capturing acoustic energy and converting it into a first electrical signal, the second microphone is an omnidirectional microphone for capturing acoustic energy and converting it into a second electrical signal; the detector further comprising;ii) conditioning circuitry to convert the first and second electrical signals into a form suitable to be captured by an analog to digital converter; andii) a digital signal processor for capturing and analyzing the first and second conditioned electrical signals;wherein the digital signal processor is configured to:a) capture the first and second conditioned electrical signals characterized in that the apparatus is configured to perform the capture and analysis periodically and compare the signals and if:A) the signals have a differential greater than a threshold to trigger a masking alarm;B) the signals have a differential less than or equal to a threshold to continue operation.The present invention is best illustrated by figure 3.

IPC 8 full level

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CPC (source: EP)

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