

**Device, Method and Computer Program for Acoustic Monitoring
of a Monitoring Area**

Abstract

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A device for acoustic monitoring of a monitoring area, comprising a first sensor system comprising a first acoustic sensor, a first processor, and first transmission means, which system may be mounted at a first location of the monitoring area, and a second sensor system comprising a second acoustic sensor, a second processor, and second transmission means, which system may be mounted at a second location of the monitoring area that is different from the first location. The first processor may be configured to classify a first audio signal detected by the first acoustic sensor so as to obtain a first classification result, the second processor may be configured to classify a second audio signal detected by the second acoustic sensor so as to obtain a second classification result, the first transmission means may be configured to transmit the first classification result to a central evaluation means, and the second transmission means may be configured to transmit the second classification result to the central evaluation means. In addition, the device may comprise the central evaluation means, which may be configured to receive the first classification result and to receive the second classification result, and to generate a monitoring output for the monitoring area as a function of the first classification result and the second classification result.

Figure 1