

Title (en)

SYSTEM AND METHOD FOR ACOUSTIC DETECTION OF EMERGENCY SIRENS

Title (de)

SYSTEM UND VERFAHREN ZUR AKUSTISCHEN DETEKTION VON NOTSIRENEN

Title (fr)

SYSTÈME ET PROCÉDÉ POUR LA DÉTECTION ACOUSTIQUE DE SIRÈNES D'URGENCE

Publication

**EP 4085454 A1 20221109 (EN)**

Application

**EP 21704335 A 20210105**

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- US 202062962278 P 20200117
- US 2021012159 W 20210105

Abstract (en)

[origin: WO2021138696A1] A method detects presence of a multi-tone siren type in an acoustic signal. The multi-tone siren type is associated with one or more siren patterns, where each siren pattern includes a number of time patterns at corresponding frequencies. The method includes processing a number of frequency components of a frequency domain representation of the acoustic signal over time to determine a corresponding plurality of values. That processing includes determining, for each frequency component, a value characterizing a presence of a time pattern associated with at least one siren pattern. The method also includes processing the values according to the siren patterns to determine a detection result indicating whether the multi-tone siren type is present in the acoustic signal.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2021138696A1

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