Title of Invention: Method and System for Detecting a Weather Condition of a Location

Abstract

The present disclosure provides methods and systems for detecting a weather condition of a location. In some examples, there is provided a method comprising: determining, by a processor, whether an audio recording of the location from a user device at the location corresponds to the weather condition, the determination being based on historical data indicating at least one corresponding sound for the weather condition; and detecting, by the processor, the weather condition of the location based on the determination; wherein determining whether the audio recording of the location from the user device at the location corresponds to the weather condition further comprises: determining, for each of one or more segments of the audio recording, whether each segment corresponds to the weather condition based on the historical data, the determination being made in real time as the user device is recording each segment at the location; filtering a determination result for each of the one or more segments based on a threshold; and determining the weather condition of the location based on the filtered determination result.

(Fig. 7)