Title (en)

METHOD AND SYSTEM FOR DETECTING KNOWN NATURAL EVENTS

Title (de)

VERFAHREN UND SYSTEM ZUR DETEKTION BEKANNTER NATÜRLICHER EREIGNISSE

Title (fr)

PROCEDE ET SYSTEME DE DETECTION D'EVENEMENTS DE NATURE CONNUE

Publication

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Application

EP 15767185 A 20150924

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- EP 2015072023 W 20150924

Abstract (en)

[origin: WO2016046336A1] The invention relates to a method for detecting events in a signal received on a detection sensor (22) connected to a processor (20) comprising at least the following steps, given {Ee} e=1..Ne natural events, a voting field D consisting of I subfields Di ={ [di, di +1 [} where i=1...I and a dictionary of micro-events {mi} i=1..M: initializing, at an identical value, a table S containing score values, S[e][p], where p is a space or time position index (p ∈ D); detecting one or more micro-events mn (n=1..N), located at tn (n=1..N), (20), corresponding to the quantification of a local observation On in the signal; for each micro-event mn located at tn, for each event type "e", and for each subfield Di, updating the table S[e][tn + p] by adding a constant value for all the locations p ∈ Di, (31); and determining a set of events associated with an observation in the signal from table S, (32) and detecting the likeliest event associated with an observation of the signal.

IPC 8 full level

G06K 9/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016046336A1

Cited by

FR3116634A1; WO2022106545A1

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