

Title (en)

SYSTEM AND METHOD OF COUNTING AND ANALYZING ANIMAL IMPACTS ON A WIND TURBINE BLADE

Title (de)

SYSTEM UND VERFAHREN ZUM ZÄHLEN UND ANALYSIEREN DES AUFPRALLS VON TIEREN AUF EINE WINDTURBINENSCHAUFEL

Title (fr)

SYSTEME ET PROCEDE DE COMPTAGE ET D'ANALYSE D'IMPACTS D'ANIMAUX SUR UNE PALE D'EOLIENNE

Publication

EP 2344759 A1 20110720 (FR)

Application

EP 09736897 A 20091009

Priority

- EP 2009063190 W 20091009
- FR 0856888 A 20081010

Abstract (en)

[origin: WO2010040832A1] System (2) for counting and analyzing animal impacts on at least one blade (16) of a wind turbine (1) and designed to be mounted in the wind turbine (1), the system comprising: at least one acoustic sensor (21) designed to be arranged inside the blade (16) in order to measure an acoustic wave created by an impact of an animal on the corresponding blade (16) and to emit a raw signal in response to the measurement of the acoustic wave; a signal acquisition module (22) connected to the sensor (21) or to each sensor (21) to acquire the raw signal and to optionally emit a time signal comprising at least one item of information relating to the impact as a function of the acquired raw signal; a module (23) for storing the time signals that is connected to the signal acquisition module (22) in order to store the time signal, the sensor (21) being a microphone designed to measure acoustic waves propagating through the air and at least one is arranged inside the blade (16) at its base.

IPC 8 full level

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Citation (search report)

See references of WO 2010040832A1

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