

Title (en)  
INSECT AND CREATURE MONITORING SYSTEM

Title (de)  
SYSTEM ZUR ÜBERWACHUNG VON INSEKTEN UND LEBEWESSEN

Title (fr)  
SYSTÈME DE SURVEILLANCE D'INSECTES ET DE CRÉATURES

Publication  
**EP 3920692 A4 20230308 (EN)**

Application  
**EP 19914485 A 20190206**

Priority  
US 2019016840 W 20190206

Abstract (en)  
[origin: WO2020162926A1] The present application describes a pollinator species detection and monitoring device and system that utilizes specifically positioned and spaced receptacles for determining and conveying the numbers, health and movements of pollinator species ranging from real-time to intermittent transmittance of detected information for an area, region, areas or regions, singularly and in the aggregate. The detected information is collected and recorded via a pair of closely related sensors, residing at 180 degrees from one another, wherein pollinator species' entrance, exit, number, gender and activity are sensed, analyzed algorithmically and stored locally for eventual transmittance from a transmitting device to an external computer or mobile device for data observance, collection, storage and analysis. Detected information may be species specific or across a plurality of species.

IPC 8 full level  
**A01K 47/00** (2006.01); **A01K 47/06** (2006.01); **A01M 1/00** (2006.01); **A01M 1/02** (2006.01)

CPC (source: EP)  
**A01K 47/00** (2013.01); **A01K 47/06** (2013.01); **A01M 1/02** (2013.01); **A01M 1/026** (2013.01); **A01M 1/04** (2013.01); **A01M 1/14** (2013.01); **A01M 31/002** (2013.01)

Citation (search report)

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- [A] US 2015123801 A1 20150507 - DE LEON RICHARD ELOY [US], et al
- [A] WO 2015132689 A1 20150911 - BENEDETTI MANUEL [IT], et al
- [A] GB 2464098 A 20100407 - INSCENTINEL LTD [GB]
- [Y] U. PESOVIC ET AL: "Design and Implementation of Hardware Platform for Monitoring Honeybee Activity. Proceedings of 4th International Conference on Electrical", ELECTRONICS AND COMPUTING ENGINEERING, 5 June 2017 (2017-06-05), pages 1 - 4, XP055730709
- See references of WO 2020162926A1

Designated contracting state (EPC)  
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