

Title (en)  
PREMISES SECURITY MONITORING SYSTEM

Title (de)  
SICHERHEITSÜBERWACHUNGSSYSTEM FÜR RÄUME

Title (fr)  
SYSTÈME DE SURVEILLANCE DE SÉCURITÉ DE LOCAUX

Publication  
**EP 4231263 A1 20230823 (EN)**

Application  
**EP 22157535 A 20220218**

Priority  
EP 22157535 A 20220218

Abstract (en)  
Provided is a premises security monitoring system comprising a system control unit and at least one sensor node to detect security events, each sensor node including a first transceiver to receive control signals from, and to report security events to, the control unit. The control unit is configured to operate as an access point for a Wi-Fi network. At least one of the sensor nodes is powered by an autonomous power supply and includes, in addition to the first transceiver, a Wi-Fi transceiver for communication with the control unit over the Wi-Fi network. The control unit being configured to respond to a report of a security event by reporting the security event to a remote monitoring station, sending an instruction to the first transceiver of the autonomously powered node for the autonomously powered node to activate its Wi-Fi transceiver to transmit Wi-Fi signals that function as illumination signals in a Wi-Fi sensing function for a sensing area of the premises. The control unit activates the Wi-Fi sensing function for the sensing area and uses Wi-Fi illumination signals transmitted by the autonomously powered node in the Wi-Fi sensing function to perform a determination of whether there is human presence in the sensing area. The control unit then transmits the result of the determination to the remote monitoring station.

IPC 8 full level  
**G08B 13/24** (2006.01); **G08B 25/00** (2006.01); **G08B 29/18** (2006.01)

CPC (source: EP)  
**G08B 13/2491** (2013.01); **G08B 25/002** (2013.01); **G08B 29/181** (2013.01); **G08B 29/188** (2013.01)

Citation (applicant)  
WO 2020039044 A1 20200227 - VERISURE SARL [CH]

Citation (search report)  
• [A] WO 2020039040 A1 20200227 - VERISURE SARL [CH]  
• [A] US 2021360533 A1 20211118 - NEERBEK JAN [DK], et al  
• [A] US 2021136681 A1 20210506 - MAI CHAO-LUN [US], et al  
• [A] KHALILI ABDULLAH ET AL: "Wi-Fi sensing: applications and challenges", THE JOURNAL OF ENGINEERING, THE INSTITUTION OF ENGINEERING AND TECHNOLOGY, MICHAEL FARADAY HOUSE, SIX HILLS WAY, STEVENAGE, HERTS. SG1 2AY, UK, vol. 2020, no. 3, 1 March 2020 (2020-03-01), pages 87 - 97, XP006089448, DOI: 10.1049/JOE.2019.0790

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4231263 A1 20230823**; WO 2023156056 A1 20230824

DOCDB simple family (application)  
**EP 22157535 A 20220218**; EP 2022087991 W 20221229