

Title (en)
PORTAL-SECURITY DETECTION MECHANISM

Title (de)
MECHANISMUS ZUR DETEKTION DER PORTALSICHERHEIT

Title (fr)
MECANISME DE DÉTECTION DE SÉCURITÉ DE PORTAIL

Publication
EP 3186793 A4 20180411 (EN)

Application
EP 14900410 A 20140827

Priority
US 2014052978 W 20140827

Abstract (en)
[origin: WO2016032464A1] An electronic device that identifies an environmental condition associated with a portal (such as a door or a window) is described. In particular, a sensor mechanism in the electronic device measures environmental signals associated with the portal, such as vibrations and/or acoustic waves. Then, an integrated circuit in the electronic device analyzes the measured environmental signals to identify the environmental condition. To facilitate the measurements, the electronic device may be mechanically coupled to the portal by an impedance-matching material, so that the vibrations and/or the acoustic waves are coupled to the electronic device. Moreover, the analysis may also be based on measured environmental signals received from one or more additional electronic devices that are mechanically coupled to the portal and/or may involve correcting the measured environmental signals for a mechanical transfer function associated with the portal based on a position of the electronic device on the portal.

IPC 8 full level
G08B 13/08 (2006.01)

CPC (source: EP)
G08B 13/08 (2013.01); **G08B 13/1672** (2013.01); **G08B 25/10** (2013.01)

Citation (search report)

- [X] EP 2515282 A1 20121024 - SECURITAS DIRECT AB [SE], et al
- [X] EP 2620924 A1 20130731 - NEC CORP [JP]
- [X] US 2005068176 A1 20050331 - KO JOSEPH Y [US]
- [X] JP 2005078500 A 20050324 - MATSUSHITA ELECTRIC WORKS LTD
- [X] JP 2002190069 A 20020705 - DEPUKON KK
- See references of WO 2016032464A1

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

DOCDB simple family (publication)
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