

Title (en)
COMMUNICATION-CONNECTED BATTERY WITH EXPANSION CAPABILITY

Title (de)
KOMMUNIKATIONSVERBUNDENE BATTERIE MIT ERWEITERUNGSMÖGLICHKEIT

Title (fr)
BATTERIE CONNECTÉE EN COMMUNICATION À CAPACITÉ D'EXPANSION

Publication
EP 3167299 A2 20170517 (EN)

Application
EP 15819765 A 20150707

Priority
• US 201462022479 P 20140709
• US 201414501011 A 20140929
• US 201414501019 A 20140929
• US 201414554989 A 20141126
• US 2015039312 W 20150707

Abstract (en)
[origin: WO2016007466A2] A sensor element includes mechanical connectors adapted to couple to conventional battery electrical terminals to provide mechanical support for the sensor on a battery housing or device, at least one sensing element that is capable of emitting an electrical signal upon sensing an sensed environmental variable, and an electrical connector, distinct from the mechanical connectors for receiving power from, and sending signals to, the battery housing or device. The coupled unit can be used to provide powered sensing and communication capability. The coupled unit's outputs could be processed with user presence information.

IPC 8 full level
G01R 31/36 (2006.01); **H01M 50/209** (2021.01)

CPC (source: EP US)
G08B 1/08 (2013.01 - EP); **G08B 17/00** (2013.01 - EP); **G08B 25/009** (2013.01 - EP); **G08B 25/10** (2013.01 - EP); **H01M 10/425** (2013.01 - EP); **H01M 10/48** (2013.01 - EP US); **H01M 50/209** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 2016007466 A2 20160114; **WO 2016007466 A3 20160324**; AU 2015288012 A1 20170518; AU 2015288012 B2 20191107; CA 2961160 A1 20160114; EP 3167299 A2 20170517; EP 3167299 A4 20190220

DOCDB simple family (application)
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