

Title (en)

OCCUPANT DETECTION AND CLASSIFICATION SYSTEM

Title (de)

FAHRZEUGINSASSENERKENNUNGS- UND KLASSIFIZIERUNGSSYSTEM

Title (fr)

SYSTÈME DE CLASSIFICATION ET DE DÉTECTION D'OCCUPANT

Publication

EP 2903866 A4 20160504 (EN)

Application

EP 13844379 A 20130920

Priority

- US 201213633590 A 20121002
- US 2013060891 W 20130920

Abstract (en)

[origin: WO2014055266A1] An occupant detection system includes a controller, a sensing electrode, and a shield electrode, the electrodes disposed in a vehicle seat. The controller is electrically coupled to the sensing electrode and shield electrode by a sensing circuit. The controller is configured to send an input signal to the sensing electrode, the shield electrode, or both and measures current, impedance, or capacitance values to determine the presence of an object on the seat, to classify the object, or both.

IPC 8 full level

B60N 2/90 (2018.01); **B60R 21/015** (2006.01); **B60N 2/42** (2006.01); **B60R 21/16** (2006.01); **B60R 22/00** (2006.01); **B60W 50/08** (2012.01)

CPC (source: CN EP)

B60N 2/002 (2013.01 - CN EP); **B60R 21/015** (2013.01 - CN); **B60R 21/01532** (2014.10 - EP); **B60R 21/0154** (2014.10 - EP); **H05B 1/0238** (2013.01 - CN EP)

Citation (search report)

- [X] US 2011115500 A1 20110519 - STANLEY JAMES GREGORY [US], et al
- [X] US 2007159178 A1 20070712 - STANLEY JAMES G [US], et al
- [X] WO 2012113833 A1 20120830 - IEE SARL [LU], et al
- See references of WO 2014055266A1

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)

WO 2014055266 A1 20140410; CN 104684764 A 20150603; EP 2903866 A1 20150812; EP 2903866 A4 20160504; JP 2016504227 A 20160212

DOCDB simple family (application)

US 2013060891 W 20130920; CN 201380051102 A 20130920; EP 13844379 A 20130920; JP 2015535684 A 20130920