

Title (en)

POTENTIAL EQUALIZATION IN A CONTROL DEVICE FOR A MOTOR VEHICLE

Title (de)

POTENTIALAUSGLEICH IN EINEM STEUERGERÄT FÜR EIN KRAFTFAHRZEUG

Title (fr)

COMPENSATION DE POTENTIEL DANS UN APPAREIL DE COMMANDE POUR UN VÉHICULE AUTOMOBILE

Publication

EP 2923536 A1 20150930 (DE)

Application

EP 13779122 A 20130926

Priority

- DE 102012111334 A 20121123
- DE 2013200188 W 20130926

Abstract (en)

[origin: WO2014079421A1] An arrangement for potential equalization in a control device (1) for a motor vehicle comprises at least one electrical component (6) on a circuit carrier (4), a carrier structure (2) on which the circuit carrier (4) is arranged, and at least one contacting element (7) that electroconductively connects the circuit carrier (4) to the carrier structure (2) by means of a connecting element (3) in order to form a potential equalization, the contacting element (7) having a bondable surface coating (5).

IPC 8 full level

H05K 1/02 (2006.01); **H05K 1/03** (2006.01); **H05K 3/24** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP US)

H05K 1/0215 (2013.01 - EP US); **H05K 1/0306** (2013.01 - EP US); **H05K 1/111** (2013.01 - US); **H05K 3/244** (2013.01 - EP US); **H05K 7/06** (2013.01 - US); **H05K 9/0064** (2013.01 - EP US); **H05K 2201/10409** (2013.01 - EP US); **H05K 2203/049** (2013.01 - EP US); **Y10T 29/49224** (2015.01 - EP US)

Citation (search report)

See references of WO 2014079421A1

Citation (examination)

- WO 2008113323 A1 20080925 - CONTI TEMIC MICROELECTRONIC [DE], et al
- US 2012222892 A1 20120906 - SUN WEIMIN [US], et al

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)

DE 102012111334 A1 20140528; DE 112013005638 A5 20150806; EP 2923536 A1 20150930; JP 2016506615 A 20160303; US 10010017 B2 20180626; US 2015289422 A1 20151008; WO 2014079421 A1 20140530

DOCDB simple family (application)

DE 102012111334 A 20121123; DE 112013005638 T 20130926; DE 2013200188 W 20130926; EP 13779122 A 20130926; JP 2015543324 A 20130926; US 201314646776 A 20130926