

Title (en)

ELECTRONIC DEVICE WITH A SUBSTRATE IN AN INSERT HOUSING

Title (de)

ELEKTRONIKGERÄT MIT SCHALTUNGSTRÄGER IN EINEM EINSCHUBGEHÄUSE

Title (fr)

APPAREIL ÉLECTRONIQUE DOTÉ D'UN SUBSTRAT DE CIRCUIT DANS UN BOÎTIER D'INSERTION

Publication

**EP 2689646 A1 20140129 (DE)**

Application

**EP 12711594 A 20120309**

Priority

- DE 102011005890 A 20110322
- EP 2012054147 W 20120309

Abstract (en)

[origin: WO2012126748A1] The invention relates to an electronic circuit arrangement (102) with a substrate (106) and a module (108) to be received in an insert housing (104). An electronic circuit arrangement (102) according to the invention comprises at least one spring element (116, 118) in addition to the substrate (106) and the electronic module (108) that is held by the substrate (106). The circuit arrangement (102) is provided for inserting into a housing (104). The module (108) thermally contacts a housing region (110, 136) in order to dissipate heat after the insertion, and the contact is made via the at least one spring element (116, 118). The circuit arrangement also comprises at least one spacer (126, 128) on the module or on the housing (108) in order to prevent damage during the insertion of the circuit arrangement (102) into the housing (104).

IPC 8 full level

**H05K 7/20** (2006.01)

CPC (source: EP)

**H01L 23/4093** (2013.01); **H05K 1/141** (2013.01); **H05K 7/2049** (2013.01); **H05K 7/20854** (2013.01); **H01L 2224/16** (2013.01); **H01L 2924/19105** (2013.01); **H05K 3/325** (2013.01); **H05K 2201/0311** (2013.01); **H05K 2201/10234** (2013.01); **H05K 2201/1034** (2013.01)

Citation (search report)

See references of WO 2012126748A1

Cited by

WO2020249218A1

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)

**DE 102011005890 A1 20120927**; BR 112013023980 A2 20161213; CN 107852837 A 20180327; EP 2689646 A1 20140129; WO 2012126748 A1 20120927

DOCDB simple family (application)

**DE 102011005890 A 20110322**; BR 112013023980 A 20120309; CN 201280078262 A 20120309; EP 12711594 A 20120309; EP 2012054147 W 20120309