

Title (en)

Electromagnetic shielding of a connector arrangement

Title (de)

Elektromagnetische Abschirmung einer Steckeranordnung

Title (fr)

Protection électromagnétique pour agencement de connecteur

Publication

EP 2083486 A1 20090729 (EN)

Application

EP 08001349 A 20080124

Priority

EP 08001349 A 20080124

Abstract (en)

The invention relates to the improvement of electromagnetic shielding properties of a connector arrangement. To meet the high demands on electromagnetic shielding properties for connectors, an electromagnetic shielding element (16) in a connector arrangement is provided that together with a shielding frame (12) of a connector or alternatively with a device housing is providing an improved electromagnetic shielding of the connector. Thereby, the design of the shielding element and its use in the connector arrangement provides a Faraday cage in the area of connection between the connector and a circuit board so that electromagnetic interference of components on the circuit board or from outside the connector arrangement may be significantly reduced. The electromagnetic shielding element itself is provided as a separate element with a plurality of protrusions (17) that can be resiliently and/or detachably engaged to a shielding frame of the connector or the device housing of the connector arrangement.

IPC 8 full level

H01R 13/658 (2011.01)

CPC (source: EP)

H01R 13/6582 (2013.01)

Citation (applicant)

EP 1032090 A1 20000830 - MOLEX INC [US]

Citation (search report)

- [XY] EP 1032090 A1 20000830 - MOLEX INC [US]
- [Y] US 5014160 A 19910507 - MCCOY JR JOHN F [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2083486 A1 20090729; EP 2083486 B1 20110420; AT E506721 T1 20110515; DE 602008006345 D1 20110601

DOCDB simple family (application)

EP 08001349 A 20080124; AT 08001349 T 20080124; DE 602008006345 T 20080124