

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]

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Designated extension state (EPC)

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