

Title (en)

Shielded casing for EMI RFI protection.

Title (de)

Abgeschirmtes Gehäuse zum Schutz gegen die Störungen von elektromagnetischen Wellen.

Title (fr)

Châssis de blindage pour la protection contre les effets de rayonnements électromagnétiques.

Publication

EP 0419331 B1 19950719 (FR)

Application

EP 90402545 A 19900914

Priority

FR 8912287 A 19890919

Abstract (en)

[origin: JPH03149899A] PURPOSE: To allow a parasitic current induced by electromagnetic radiation to directly pass from a shielding member to a chassis, without having it intrude into the inside of the chassis and to protect a built-in electric circuit from the external electromagnetic radiation by connecting a shielded connector part to one end of a cable and electrically connecting the other connector part arranged in the chassis to the electric circuit. CONSTITUTION: A recessed part 26 positions a connector part 15B, so as to be directly opposite an aperture 30 of a metallic box 11 and a connector part 15A connected to one end of a shielded electric cable is inserted into the aperture 30. The box 11 is provided with a non-metallic and elastically conductive connection element, the connector part 15A is connected to the connector part 15B by using the element as the form of a film 35 and the element is brought into contact with a shielding member 19, which grounded through the film 35 and the box 11. A material used for the production of the film 35 consists of elastomer, mixing 30 to 70% silver, gold, nickel, or aluminium grains, its electrical resistivity is $\leq 0.2 \Omega\text{-cm}$, and the thickness of the film 35 is set in a range of 0.5 to 3mm.

IPC 1-7

H01R 13/658

IPC 8 full level

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CPC (source: EP US)

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