Title (en)

MAINS PLUG SUPPRESSING INTERFERENCE CAUSED BY THE SUPPLY CURRENT

Publication

EP 0184009 B1 19910814 (DE)

Application

EP 85114102 A 19851106

Priority

DE 3440573 A 19841107

Abstract (en)

[origin: EP0184009A2] So-called conducted interference immunity is required of home-entertainment electronic equipment, especially television sets. It is known, and has been found to be advantageous because of the antenna effect of the mains supply cable, to fit a coil arrangement in the connector to achieve this conducted interference immunity, which coil arrangement consists of one coil for each of the two cable wires, each of the two coils being inserted into the connector housing (7) between an associated connector pin (1) and an associated connecting terminal (4) for the relevant cable wire (8). In the mains plug according to the invention, together with a ring core, the two coils form a current-compensated ring-core inductor 5. This results in a particularly compact mechanical construction in conjunction with excellent conducted interference immunity. <IMAGE>

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H01R 13/719

IPC 8 full level

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CPC (source: EP)

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