

Title (en)  
DEVICE COMPRISING A MULTILAYER BOARD AND LIGHT-EMITTING DIODES

Title (de)  
VORRICHTUNG MIT EINER MEHRSCICHTPLATTE SOWIE LICHT EMITTIERENDEN DIODEN

Title (fr)  
DISPOSITIF À PLAQUE MULTICOUCHE ET À DIODES ÉLECTROLUMINESCENTS

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Application  
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Abstract (en)  
[origin: WO2009129947A1] The invention relates to a multilayer composite for power and/or signal supply comprising a multilayer board (21) and light-emitting diodes (30) that are arranged thereon and connected to a power conductor. Said multilayer board (21) comprises a plurality of layers (22) which are produced of metal, preferably aluminum or an aluminum alloy, and which are arranged at both sides of a plastic center layer (24) and that are covered by a cover layer (26) which is produced of corresponding material. The diodes (30) are arranged in respective recesses (28) of the board (21) are connected to the electroconductive metal layers (22) of the board via a plurality of metal layers (32) and plastic layers (36) that extend between them. The multilayer composite has at least three, preferably four, electroconductive layers (22, 32) that are insulated from each other by respective plastic layers (24, 36).

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