

Title (en)  
ELECTRICAL CIRCUIT ARRANGEMENT

Title (de)  
ELEKTRISCHE SCHALTUNGSANORDNUNG

Title (fr)  
AGENCEMENT DE COMMUTATION ÉLECTRIQUE

Publication  
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Application  
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Abstract (en)  
[origin: US2011176317A1] The present invention relates to an electrical circuit arrangement, in particular an electrical signal circuit arrangement and preferably a signal lamp which is used in hazardous areas. The circuit arrangement is equipped with at least one electrical component (1) which is arranged on a printed circuit board (2) produced from a heat-conducting material. The electrical component (1) is, in particular, a luminous means (1). A cooling device (6, 7) which is in thermal contact with the printed circuit board (2) is also realized. According to the invention, the cooling device (6, 7) is in at least two parts, with a heat sink (7) and at least one heat pipe (6). In this case, the heat pipe (6) thermally connects the printed circuit board (2) to the heat sink (7).

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