

Title (en)  
ARC QUENCHING SYSTEM

Title (de)  
LICHTBOGEN-LÖSCHVORRICHTUNG

Title (fr)  
DISPOSITIF D'EXTINCTION D'ARC

Publication  
**EP 1683173 A1 20060726 (DE)**

Application  
**EP 04798170 A 20041105**

Priority  
• EP 2004052831 W 20041105  
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Abstract (en)  
[origin: WO2005048282A1] The aim of the invention is to create an arc quenching system for a switching device (1), which ensures low heat build-up and fast quenching of an arc (11) using simple means. Said aim is achieved by providing a current conducting path (13) which comprises an electrically conducting passage to an additional arc guide rail (10) so as to form a conductor loop (10, 13) and is electrically insulated relative to a pair of switching contacts (5, 6). The conductor loop (10,13) is not connected to the pair of switching contacts (5, 6) while being arranged in the area of an interrupter chamber (12) such that a current (I) which drives the arc (11) into the arcing chamber (8) is conducted via the current conducting path (13) when the arc (11) commutates from one of the switching contacts (5; 6) to the additional arc guide rail (10).

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CPC (source: EP)  
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