

Title (en)
FUSE FOR A DEVICE TO BE PROTECTED

Title (de)
SCHMELZSICHERUNG FÜR EINE ZU SCHÜTZENDE EINRICHTUNG

Title (fr)
COUPE-CIRCUIT À FUSIBLE POUR DISPOSITIF À PROTÉGER

Publication
EP 3178104 A1 20170614 (DE)

Application
EP 15745221 A 20150804

Priority
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Abstract (en)
[origin: WO2016020381A1] The invention relates to a fuse (F) for a device (8) to be protected, said device being serially connected to the fuse (F). The series connection is connected to a supply network with a first potential (L) and a second potential (N) which differs from the first potential, and the fuse (F) has a first contact (1) and a second contact (2), said second contact (2) being used to electrically contact the device (8) to be protected. The fuse (F) has a fusible conductor (5) which connects the first contact (1) to the second contact (2). The fuse (F) further has an additional contact (3) which is insulated from the first contact (1) and the second contact (2) and which does not contact the fusible conductor (5) in a non-triggered state. The first contact (1) is directly connected to the first potential (L) during operation, and the device (8) to be protected is directly connected to the second potential (N) during operation. The additional contact (3) is likewise directly connected to the second potential (N) during operation. Additionally, a fourth contact (4) is provided which provides an external triggering. A triggering leads to an arc which directly or indirectly induces a fusion of the fusible conductor (5).

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