

Title (en)
SWITCHING DEVICE

Title (de)
SCHALTGERÄT

Title (fr)
DISPOSITIF DE COMMUTATION

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Application
EP 13798977 A 20131121

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Abstract (en)
[origin: WO2014086587A1] The invention relates to a switching device comprising a contact system, which is made of a movable contact that can be moved along a direction of movement and a fixed contact, and comprising an arc extinguishing device. The aim of the invention is to design such a switching device so as to have improved arc extinguishing properties. This is achieved by a switching device (1) comprising a contact system (4), which is made of a movable contact (7) that can be moved along a direction (12) of movement and a fixed contact (5), and comprising an arc extinguishing device with an arrangement (13) for generating a magnetic field formed on a plane perpendicular to the direction (12) of movement and with an electrode arrangement made of a first electrode (16) connected to the movable contact (7) in a conductive manner and a second electrode (18) connected to the fixed contact in a conductive manner, wherein the first electrode (16) and the second electrode (18) are arranged such that an electric field can be generated between the first electrode (16) and the second electrode (18) perpendicularly to the direction (12) of movement and perpendicularly to the magnetic field.

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