

Title (en)

Switching device with thermal balancing equipment

Title (de)

Schaltgerät mit Temperatenausgleich

Title (fr)

Dispositif de commutation doté d'un équipement d'équilibrage thermique

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EP 2276046 B1 20140924 (EN)

Application

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Priority

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Abstract (en)

[origin: EP2276046A1] The invention relates to a switching device a respective substation and a thermal balancing method. According to the invention, the switching device includes a first conductor part (7) and a second conductor part (8) being electrically connectable. The first and second conductor parts (7, 8) are arranged in a volume of a housing (6) which is filled with an insulating gas as insulating medium. A first region (7.1) of said first conductor part (7) is connected to a second region (7.2) of said first conductor part (7) by means of a heat pipe arrangement (18). The second region (7.2) is located at a distance from the first region (7.1). The first and second region (7.1, 7.2) of said first conductor part (7) are at different temperature levels when a current flow, in particular a nominal current flow, traverses the switching device (1) along a current path (5) during the operating state of the switching device. Thus, the heat pipe arrangement will improve the temperature distribution of the switching device.

IPC 8 full level

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CPC (source: EP)

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