

Title (en)

SWITCHGEAR CABINET ARRANGEMENT WITH IMPROVED CUT-OFF IN THE EVENT OF AN OVERLOAD

Title (de)

SCHALTSCHRANKANORDNUNG MIT VERBESSERTER AUSSCHALTUNG BEI ÜBERLAST

Title (fr)

ENSEMBLE D'ARMOIRE ÉLECTRIQUE AVEC MISE HORS CIRCUIT AMÉLIORÉE EN CAS DE SURCHARGE

Publication

**EP 3278349 A2 20180207 (DE)**

Application

**EP 16711623 A 20160323**

Priority

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- EP 2016056319 W 20160323

Abstract (en)

[origin: WO2016156131A2] Disclosed is a switchgear cabinet arrangement (1a..1f) comprising an input (E) for connecting to an energy supply network and at least one output (A). The switchgear cabinet arrangement (1a..1f) also has multiple electrical conductors (2, L1..L3, N) and multiple circuit-breakers (3a..3f) arranged along the run of the conductors, by means of which circuit-breakers the input (E) can be electrically connected to the at least one output (A) via a first path. The switchgear cabinet arrangement is also provided with at least one sensor (4a..4c) which is arranged on one of the electrical conductors (2, L1..L3, N) and is designed to detect a measured value for a current flowing through the conductor (2, L1..L3, N) and/or a measured value for a temperature of the conductor (2, L1..L3, N). The at least one output (A) is connected inside the switchgear cabinet by the actuation of the circuit breaker (3a..3f) to the input via a second path that differs from the first path, if the detected current exceeds a first threshold value and/or the detected temperature exceeds a second threshold value. Also disclosed is a circuit breaker (3a..3f) comprising an integrated sensor (4a..4c).

IPC 8 full level

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Citation (search report)

See references of WO 2016156131A2

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