

Title (en)
GENERATOR SWITCH HAVING AN IMPROVED SWITCHING CAPACITY

Title (de)
GENERATORSCHALTER MIT VERBESSERTER SCHALTLEISTUNG

Title (fr)
INTERRUPTEUR DE GENERATRICE A PUISSANCE DE COUPURE ACCRUE

Publication
EP 1829077 B1 20080319 (DE)

Application
EP 04802392 A 20041224

Priority
CH 2004000752 W 20041224

Abstract (en)
[origin: US7893379B2] The disclosure relates to an electrical switching device, e.g., a generator circuit breaker, and to a method for improved switching-gas cooling. Gas jets are formed by a nozzle body in the exhaust area, are directed against a baffle wall and are swirled. The baffle wall is a component of the switching chamber enclosure and has a high thermal capacity and/or thermal conductivity, so that the switching gas vortices produce a highly efficient switching gas cooling on the baffle wall by turbulent convection. Exemplary embodiments relate inter alia to the design of the baffle wall and of the nozzle body. Advantages include: protection of the switching chamber enclosure against hot gases, improved switching gas cooling, and increased breaking capacity.

IPC 8 full level
H01H 33/88 (2006.01)

CPC (source: EP US)
H01H 33/74 (2013.01 - EP US); **H01H 33/88** (2013.01 - EP US); **H01H 2009/526** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

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