

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

Publication
EP 4220676 A1 20230802 (EN)

Application
EP 23154029 A 20230130

Priority
CN 202220242595 U 20220129

Abstract (en)
Disclosed is a circuit breaker, including a housing 1 and an arc extinguishing chamber 2 arranged in an interior space of the housing 1, wherein a gas outlet passage is formed in a first sidewall 13 of the housing 1, the gas outlet passage is designed to communicate the interior space of the housing with a surrounding environment of the circuit breaker, at least one deionizing component 3, 4 is arranged between the arc extinguishing chamber 2 and the gas outlet passage, and the deionizing component 3, 4 is configured to allow conductive gases to pass therethrough and designed to cool the conductive gases therethrough. By the circuit breaker having the above-described configuration, the conductive gases are kept inside the housing of the circuit breaker and prevented from flying out of the circuit breaker, thus achieving zero flashover function.

IPC 8 full level
H01H 9/34 (2006.01)

CPC (source: EP)
H01H 9/342 (2013.01)

Citation (search report)

- [X] US 2019035580 A1 20190131 - RIVAL MARC [FR], et al
- [X] US 5889249 A 19990330 - RIVAL MARC [FR], et al
- [X] US 2017169972 A1 20170615 - RIVAL MARC [FR], et al
- [X] US 2017278653 A1 20170928 - RIVAL MARC [FR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4220676 A1 20230802; CN 217158072 U 20220809

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