

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

Publication
EP 3889987 A1 20211006 (EN)

Application
EP 19890761 A 20191129

Priority
• CN 201811470300 A 20181130
• CN 201822001335 U 20181130
• CN 201911024772 A 20191025
• CN 2019122030 W 20191129

Abstract (en)
A circuit breaker is provided, which includes a housing, and a circuit breaker phase pole and a leakage protection pole arranged on two sides of the housing side by side, wherein the leakage protection pole includes a zero-sequence current transformer, a leakage operating mechanism, and a leakage testing mechanism, and a major loop of the circuit breaker phase pole passes through the zero-sequence current transformer; the leakage testing mechanism includes an elastic member, a test button, and a first contact member and a second contact member respectively connected to two ends of a test loop, one end of the elastic member is provided with a first contact portion matched with the leakage operating mechanism or a phase pole operating mechanism, the other end of the elastic member is provided with a second contact portion matched with the test button, the leakage operating mechanism or a phase pole circuit breaker is capable of pushing the first contact portion to contact with the first contact member when the circuit breaker is switched on, the test button is capable of pushing the second contact portion to contact with the second contact member, the testing mechanism forms the test loop with double breakpoints through two contact points of the first contact portion and the second contact portion on the elastic member, and the first contact portion and the second contact portion are respectively driven by the electric leakage operating mechanism and the test button.

IPC 8 full level
H01H 83/14 (2006.01); **H01H 73/40** (2006.01)

CPC (source: EP)
H01H 71/002 (2013.01); **H01H 83/04** (2013.01); **H01H 83/144** (2013.01); **H01H 71/526** (2013.01); **H01H 2083/045** (2013.01)

Cited by
CN114023592A; CN116190170A

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3889987 A1 20211006; **EP 3889987 A4 20220824**; AU 2019386913 A1 20210617; AU 2019386913 B2 20220428

DOCDB simple family (application)
EP 19890761 A 20191129; AU 2019386913 A 20191129