

Title (en)
BREAKER COUNTING DEVICE

Title (de)
SCHUTZSCHALTERZÄHLVORRICHTUNG

Title (fr)
DISPOSITIF DE COMPTAGE DE DISJONCTEUR

Publication
EP 3200129 A4 20180620 (EN)

Application
EP 15844666 A 20150925

Priority
• CN 201410503118 A 20140926
• CN 2015090756 W 20150925

Abstract (en)
[origin: EP3200129A1] A counting device of a circuit breaker comprises a counter and an executing lever. The counter is fixedly mounted on one side of an operation mechanism of the circuit breaker, the executing lever is mounted on one side of the operation mechanism in a pivotal mode and is in driving connection with a counting lever of the counter and a linkage rotating shaft extending out from the operation mechanism, and a reset spring which can provide the rotation restoring force for the executing lever is provided on the executing lever. One end of the executing lever is in driving connection with the counting lever through a connecting rod, and the other end of the executing lever is in sliding contact with a cantilever extending out from the end portion of the linkage rotating shaft. One end of the connecting rod is connected with the executing lever, and the other end of the connecting rod is connected with the counting lever. The cantilever can be driven to rotate through the operation mechanism and drives the executing lever to rotate to enable the connecting rod to move so as to pull the counting lever to complete counting. The counting device of the circuit breaker is accurate in counting, stable in device and simple in structure.

IPC 8 full level
G06M 1/08 (2006.01); **H01H 3/00** (2006.01)

CPC (source: EP)
G06M 1/08 (2013.01); **G06M 1/083** (2013.01); **H01H 71/04** (2013.01); **H01H 3/30** (2013.01)

Citation (search report)
• [XAI] JP 5321268 B2 20131023
• See references of WO 2016045619A1

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

DOCDB simple family (publication)
EP 3200129 A1 20170802; **EP 3200129 A4 20180620**; **EP 3200129 B1 20220803**; CN 104299029 A 20150121; CN 104299029 B 20170922; MY 194312 A 20221127; SA 517381191 B1 20210527; WO 2016045619 A1 20160331

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