

Title (en)
CIRCUIT BREAKER LOCKING DEVICE

Title (de)
SCHUTZSCHALTERSPERRVORRICHTUNG

Title (fr)
DISPOSITIF DE VERROUILLAGE DE DISJONCTEUR

Publication
EP 3229257 A4 20180725 (EN)

Application
EP 15865299 A 20151104

Priority
• CN 201420743118 U 20141201
• CN 2015093751 W 20151104

Abstract (en)
[origin: EP3229257A1] A circuit breaker locking device comprises an executing lever and a pressing plate, wherein a hole shaft of the executing lever is rotatably mounted in a base of a circuit breaker. An elastic piece is arranged between one end of the executing lever and the base, and the other end of the executing lever is provided with a locking end which can be connected with a locking portion at one side of the pressing plate in a locking manner. The pressing plate is mounted in the base and can rotatably oscillate relative to the base. The locking portion at one side of the pressing plate comprises an unlocking surface and a locking surface which correspond to the locking end respectively and are adjacent to each other, and a sliding step is arranged between the unlocking surface and the locking surface. A contact portion which is in contact connection with a circuit breaker operating mechanism is arranged at the other side of the pressing plate. A magnetic flux which can drive the pressing plate to oscillate is also arranged above the pressing plate correspondingly. The circuit breaker locking device provided by the utility model is firm in locking structure, stable in action process and simple in mechanical structure.

IPC 8 full level
H01H 71/62 (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)
H01H 71/2463 (2013.01); **H01H 71/62** (2013.01)

Citation (search report)
• [YA] US 5982258 A 19991109 - BAGINSKI PIERRE [FR], et al
• [Y] CN 202210497 U 20120502 - SHANGHAI LIANGXIN ELECTRICAL
• See references of WO 2016086747A1

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 3229257 A1 20171011; **EP 3229257 A4 20180725**; **EP 3229257 B1 20200513**; CN 204348653 U 20150520; MY 189308 A 20220203; SA 517381637 B1 20210318; WO 2016086747 A1 20160609

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