

Title (en)
RELEASE GEAR DEVICE FOR ELECTRIC POWER CIRCUIT BREAKERS

Publication
EP 0003967 B1 19810429 (DE)

Application
EP 79100351 A 19790207

Priority
DE 2810233 A 19780307

Abstract (en)
[origin: US4274069A] In a locking arrangement of an electric circuit breaker which includes a latch and a locking strap which cooperates with the latter and is supported by means of two pivots in support openings of stationary parts, the pivots having a rectangular cross-section and arranged so that the force exerted by the latch on the locking strap is transmitted to one of the small surfaces of the pivots, the support openings have a convex surface which cooperates with the one small surface of the pivot and the long surfaces of the pivots are opposite similarly convex surfaces of the support openings. For the other small surface of the pivots, a concave surface or a surface which consists of two subsurfaces which are at an angle to each other and are connected by a transition arc is provided. The pivots cooperate with the support openings by rolling and sliding motions which insure low stress on the contact surfaces.

IPC 1-7
H01H 71/10; **H01H 71/00**

IPC 8 full level
H01H 71/50 (2006.01); **H01H 73/22** (2006.01)

CPC (source: EP US)
H01H 71/50 (2013.01 - EP US)

Cited by
EP0035693A1; US4825183A; WO8600751A1

Designated contracting state (EPC)
BE CH FR GB IT LU NL SE

DOCDB simple family (publication)
DE 2810233 B1 19790308; **DE 2810233 C2 19791018**; EP 0003967 A1 19790919; EP 0003967 B1 19810429; JP S54125477 A 19790928; US 4274069 A 19810616

DOCDB simple family (application)
DE 2810233 A 19780307; EP 79100351 A 19790207; JP 2608679 A 19790306; US 1791979 A 19790306