

Title (en)

ADJUSTING DEVICE WITH STOPPING STEPS TO RELEASE ELECTRIC SWITCHING DEVICES

Publication

EP 0003497 B1 19810520 (DE)

Application

EP 79100030 A 19790105

Priority

DE 2805181 A 19780203

Abstract (en)

[origin: US4211907A] A setting mechanism for tripping devices of electrical switchgear has a driven inner member carrying a radially extending, resilient detent arm which interacts with stationary detent slots. For joining with an outer driving member, an interrupted ring snap-in connection is provided between the inner and outer elements which is designed so that eccentric forces as well as asymmetrical spreading forces caused by the resilient detent arm and by the application of torque can be transmitted. For this purpose, two larger posts lying one behind the other on the longitudinal axis of the detent arm have right-angled undercuts and two smaller posts disposed between the first posts are provided with radial projections. The projections have side walls lying in planes extending parallel to the longitudinal axis of the setting mechanism. The setting mechanism members are made as complete parts by injection molding of plastic material.

IPC 1-7

H01H 71/74; **H01H 3/08**

IPC 8 full level

H01H 73/22 (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP US)

H01H 71/7427 (2013.01 - EP US); **H01H 2019/008** (2013.01 - EP US); **H01H 2071/7481** (2013.01 - EP US)

Cited by

EP0372142A1; EP0242538A1; CH669066A5; US4843196A

Designated contracting state (EPC)

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DE 2805181 B1 19790503; **DE 2805181 C2 19791213**; EP 0003497 A1 19790822; EP 0003497 B1 19810520; JP S54113876 A 19790905; US 4211907 A 19800708

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DE 2805181 A 19780203; EP 79100030 A 19790105; JP 1133579 A 19790202; US 755879 A 19790129