

Title (en)

CIRCUIT-BREAKER ARRANGEMENT SUITABLE AS A GENERAL CIRCUIT BREAKER

Publication

**EP 0087642 B1 19860514 (DE)**

Application

**EP 83101295 A 19830210**

Priority

DE 3206445 A 19820223

Abstract (en)

[origin: EP0087642A1] 1. Protective circuit breaker arrangement comprising two circuit groups (1, 2) electrically connected in series, a first circuit group (1), whose tripping device is in direct engagement connection with a switch contact device (3), and which has a holding device (4) for maintaining the out-of-engagement movement up to a predetermined switch-off time, and a second circuit group (2) in the form of a conventional protective circuit breaker, whose tripping device (5) is in engagement connection, by means of a switch latch (8), with switch contacts (9) of an arc-extinguishing device, characterised in that the holding device (4) of the first circuit group (1) comprises essentially : an exciter winding (12), which is arranged around a switching chamber (13), in which at least one movable contact body (14) made of magnetic material forms a movable coil core, which is pressed against a second contact body (15) by a power store (17), and over whose travel section ventilation slots (18) are formed in the wall of the switching chamber (13), whereby the contact bodies (15, 14) and the exciter winding (12) are electrically connected to each other, and the movable contact body (14) has on a carrier body (21) of magnetic material a plunger (19) which limits a space with the contact bodies (14, 15).

IPC 1-7

**H01H 77/06**

IPC 8 full level

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CPC (source: EP)

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