

Title (en)

Drive mechanism and method for opening/closing of electric switchgear

Title (de)

Antriebsmechanismus und Schaltverfahren für ein Schaltgerät

Title (fr)

Mécanisme de commande und procédé de commutation pour un appareil de commutation

Publication

**EP 1744338 B1 20100331 (EN)**

Application

**EP 05106394 A 20050713**

Priority

EP 05106394 A 20050713

Abstract (en)

[origin: EP1744338A1] Electrical switchgear, e.g. circuit breaker, needs to perform switching operations in very short time in order to quickly react on fault conditions e.g. by opening the line the switchgear is connected to. The moveable contact of such switchgear is driven by a drive mechanism which must be able to provide enough energy in short time to accelerate the moveable masses of the switchgear and drive mechanism in such short times. The inventive drive mechanism provides an electric motor (12) as source of energy and an additional source of energy, which supports the electric motor (12) in driving the moveable contact (6) at least during part of the switching motion.

IPC 8 full level

**H01H 33/36** (2006.01); **H01H 33/40** (2006.01)

CPC (source: EP)

**H01H 33/36** (2013.01); **H01H 33/40** (2013.01); **H01H 3/30** (2013.01)

Cited by

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