

Title (en)
Middle high-voltage circuit breaker for high nominal current.

Title (de)
Mittelspannungsschalter für hohen Nennstrom.

Title (fr)
Disjoncteur à moyenne tension à courant nominal élevé.

Publication
EP 0398213 B1 19950315 (FR)

Application
EP 90109022 A 19900514

Priority
FR 8906554 A 19890519

Abstract (en)
[origin: JPH0329230A] PURPOSE: To reduce the mass of a movable device and to enable savings of the energy required for operating a circuit breaker by providing the movable device including cylindrical members comprising tubes, etc. CONSTITUTION: When a circuit breaker is opened, a tube 22 is moved to the right at a high speed V2. While a tube 30 leaving a finger 3 travels a distance L1 at a speed V1, a movable contact relatively moves a distance L2 longer than the distance L1 at the speed V2 greater than time speed V1. After the main contact 3 and the tube 30 have been separated, a current flows through tubes 4, 15, the contact 13, a tube 9, and a ring 7. Thereby the mass of a movable device is greatly reduced. At the same time, the speed of a movable main contact decreases, resulting in significant savings of the energy required for operating a circuit breaker.

IPC 1-7
H01H 33/12; **H01H 33/91**

IPC 8 full level
H01H 33/12 (2006.01); **H01H 33/91** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)
H01H 33/12 (2013.01 - EP US); **H01H 33/91** (2013.01 - EP US)

Cited by
EP1811537A1; WO2007082399A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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