

Title (en)
High tension switchgear with double mouvement

Title (de)
Hochspannungsschaltgerät mit Doppelbewegung

Title (fr)
Appareillage de coupure électrique haute tension à double mouvement

Publication
EP 1211706 B1 20060621 (FR)

Application
EP 01410154 A 20011127

Priority
FR 0015525 A 20001130

Abstract (en)
[origin: EP1211706A1] The high tension circuit breaker includes two contact separating devices linked by a transmission mechanism. The mechanism includes a cam linkage, such that the two contact separating devices move at different speeds, the ratio of their two speeds changing during the course of the movement between an initial value of 0.5 and a maximum value of 1.2. The high tension circuit breaker comprises a first contact device (12) driven by a drive mechanism (14), and a tube (16) solidly attached to the first contact device. A second contact device (18) is mechanically linked to the tube by a transmission mechanism (20) with a cam (84). This linkage ensures a variable speed ratio (V2/V1) between the first and second contact devices. The ratio (V2/V1) is less than 0.5 when the first switch is close to its open position increasing to a maximum value of 1.2 near to the point of separation of the contacts, then reducing to 0.5 again.

IPC 8 full level
H01H 33/90 (2006.01); **H01H 33/915** (2006.01); **H01H 33/78** (2006.01)

CPC (source: EP)
H01H 33/78 (2013.01); **H01H 33/904** (2013.01); **H01H 3/42** (2013.01); **H01H 2033/028** (2013.01)

Cited by
EP2645396A1; AU2014210106B2; RU2619272C2; EP1906425A1; FR2906642A1; CN102473549A; EP2450930A4; EP1630841A1; AU2014210105B2; RU2629568C2; EP1744338A1; US7777149B2; WO2014114484A1; DE102012205224A1; US9460873B2; EP1930930A1; US7932476B2; US9741514B2; US7566842B2; WO2006021109A1; WO2014114483A1

Designated contracting state (EPC)
CH DE IT LI SE

DOCDB simple family (publication)
EP 1211706 A1 20020605; EP 1211706 B1 20060621; CN 1186793 C 20050126; CN 1357901 A 20020710; DE 60120885 D1 20060803; DE 60120885 T2 20070118; FR 2817389 A1 20020531; FR 2817389 B1 20030103; JP 2002208336 A 20020726; JP 4084035 B2 20080430; TW 518624 B 20030121

DOCDB simple family (application)
EP 01410154 A 20011127; CN 01142524 A 20011130; DE 60120885 T 20011127; FR 0015525 A 20001130; JP 2001367708 A 20011130; TW 90126516 A 20011026