

Title (en)

Rack and pinion gear for a switch

Title (de)

Zahnstangengetriebe für elektrisches Schaltgerät

Title (fr)

Engrenage à pignon et crémaillère pour un interrupteur

Publication

EP 1879207 B1 20170419 (DE)

Application

EP 06405301 A 20060712

Priority

EP 06405301 A 20060712

Abstract (en)

[origin: EP1879207A1] The unit has a contact system (2) with an insulant injector (4) for electric arc blowing. Another contact system (3) and the former contact system are driven by an auxiliary gearbox. The gearbox has a mounting unit (5a) and a guiding unit (5b) for a pinion (6) and gear racks (7, 8). The gearbox includes a mono-block (5), in which the mounting and the guiding units are integrated for the pinion and the gear racks. The mono-block has sliding guides (9, 11) and a sliding contact (10) for an electric arc contact piece (3a) that is driven by the gearbox. An independent claim is also included for a method for assembling a switchgear with an interrupter unit.

IPC 8 full level

H01H 33/90 (2006.01)

CPC (source: EP US)

H01H 33/904 (2013.01 - EP US); **H01H 3/40** (2013.01 - EP); **H01H 33/7023** (2013.01 - EP US); **H01H 2033/028** (2013.01 - EP US)

Cited by

CN105023797A; DE102012211376A1; CN104599867A; WO2013007101A1; WO2017016842A1; EP2402969A1; US9633806B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1879207 A1 20080116; EP 1879207 B1 20170419; US 2008047813 A1 20080228; US 7994442 B2 20110809

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