

Title (en)
Power switch

Title (de)
Leistungsschalter

Title (fr)
Interrupteur de puissance

Publication
EP 0999569 B1 20060503 (DE)

Application
EP 99810920 A 19991011

Priority
DE 19850396 A 19981102

Abstract (en)
[origin: US6229109B1] A contact pin is operationally connected through racks and pinions to a movable mating contact arrangement in such a way that it executes a movement counter thereto. Through two spokes through which the racks are guided, it bears a contact ring which surrounds it coaxially at a distance and preferably has a radius which is four to eight times as large. In a groove on its outer side, the contact ring bears a circumferential spiral contact which forms with the inner side of a contact tube, which finishes in a fixed nominal-current contact, a sliding contact arrangement having good current transfer in conjunction with a short length.

IPC 8 full level
H01H 31/02 (2006.01); **H01H 33/91** (2006.01); **H01H 33/42** (2006.01); **H01H 33/90** (2006.01); **H01H 33/985** (2006.01)

CPC (source: EP KR US)
H01H 33/904 (2013.01 - EP US); **H01H 33/91** (2013.01 - KR); **H01H 33/91** (2013.01 - EP US); **H01H 2033/028** (2013.01 - EP US)

Cited by
US6229109B1; US7994442B2

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

DOCDB simple family (publication)
US 6229109 B1 20010508; AT E325423 T1 20060615; CN 1132210 C 20031224; CN 1253369 A 20000517; DE 19850396 A1 20000504; DE 59913382 D1 20060608; EP 0999569 A2 20000510; EP 0999569 A3 20020918; EP 0999569 B1 20060503; JP 2000149722 A 20000530; KR 100615869 B1 20060825; KR 20000035137 A 20000626

DOCDB simple family (application)
US 43024599 A 19991029; AT 99810920 T 19991011; CN 99123672 A 19991102; DE 19850396 A 19981102; DE 59913382 T 19991011; EP 99810920 A 19991011; JP 30457599 A 19991026; KR 19990047948 A 19991101