

Title (en)

DRIVE FOR A LOW, MEDIUM OR HIGH VOLTAGE SWITCH

Title (de)

ANTRIEB FÜR EINEN NIEDER-, MITTEL- ODER HOCHSPANNUNGSSCHALTER

Title (fr)

COMMANDE D'UN COMMUTATEUR À BASSE, MOYENNE OU HAUTE TENSION

Publication

**EP 3968349 A1 20220316 (EN)**

Application

**EP 20196271 A 20200915**

Priority

EP 20196271 A 20200915

Abstract (en)

The present invention relates to a drive for a low, medium or high voltage switch, comprising a pushrod (10); a sun cogwheel (30); at least one planetary cogwheel (40); a carrier (50); a cogwheel ring (60); and an energy provider (70, 120, 150). An axis of the pushrod is coaxial with an axis of the sun cogwheel, and a rotation of the sun cogwheel is configured to move the pushrod along the axis of the pushrod. An axis of the carrier is coaxial with the axis of the sun cogwheel. An axis of the cogwheel ring is coaxial with the axis of the sun cogwheel. The at least one planetary cogwheel is located between the sun cogwheel and the cogwheel ring. Each planetary cogwheel of the at least one planetary cogwheel is connected to the carrier such that when the carrier rotates about the axis of the sun cogwheel a centre axis of each planetary cogwheel rotates with the carrier. Each planetary cogwheel is configured to rotate about its own centre axis. The energy provider is coupled to the carrier. In a first switching action energy release from the energy provider is configured to rotate the carrier in a first rotational direction about the axis of the sun cogwheel to rotate the sun cogwheel in the first rotational direction to move the pushrod along the axis of the pushrod in a first direction.

IPC 8 full level

**H01H 33/42** (2006.01); **H01H 3/30** (2006.01); **H01H 3/34** (2006.01); **H01H 3/36** (2006.01); **H01H 3/40** (2006.01); **H01H 3/46** (2006.01); **H01H 3/58** (2006.01); **H01H 33/40** (2006.01); **H01H 33/52** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP)

**H01H 33/42** (2013.01); **H01H 3/30** (2013.01); **H01H 3/3026** (2013.01); **H01H 3/3031** (2013.01); **H01H 3/34** (2013.01); **H01H 3/36** (2013.01); **H01H 3/40** (2013.01); **H01H 3/46** (2013.01); **H01H 3/58** (2013.01); **H01H 33/022** (2013.01); **H01H 33/40** (2013.01); **H01H 33/52** (2013.01); **H01H 33/666** (2013.01)

Citation (search report)

- [Y] AT 339417 B 19771025 - NAIMER H L [AT]
- [Y] US 2003089683 A1 20030515 - THURESSON PER-OLOF [SE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3968349 A1 20220316**

DOCDB simple family (application)

**EP 20196271 A 20200915**