

Title (en)
DRIVE FOR A LOW, MEDIUM AND HIGH VOLTAGE VACUUM INTERRUPTER

Title (de)
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Title (fr)
ACTIONNEMENT POUR UN DISJONCTEUR À VIDE À BASSE, MOYENNE ET HAUTE TENSION

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Application
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Priority
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Abstract (en)
The present invention relates to a drive for a low, medium and high voltage switch, comprising: a pushrod (10); a sun cogwheel (30); at least one planetary cogwheel (40); and a cogwheel ring (60): The pushrod comprises a threaded portion (20): The sun cogwheel comprises an inner threaded portion located about an axis of the sun cogwheel. The pushrod is connected to the sun cogwheel such that an axis of the pushrod is coaxial with the axis of the sun cogwheel. The sun cogwheel comprises a plurality of outward facing teeth. An axis of the cogwheel ring is coaxial with the axis of the sun cogwheel. The cogwheel ring comprises a plurality of inward facing teeth. The at least one planetary cogwheel is located between the sun cogwheel and the cogwheel ring. The at least one planetary cogwheel comprises a plurality of outward facing teeth, and some teeth of the at least one planetary cogwheel are engaged with some teeth of the cogwheel ring. In a first switching action: a rotation of the at least one planetary cogwheel about the axis of the sun cogwheel in a first rotational direction is configured to rotate the sun cogwheel in the first rotational direction; and the rotation of the sun cogwheel in the first rotational direction is configured to move the pushrod along the axis of the pushrod in a first direction.

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

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