

Title (en)
Spring drive for switchgear

Title (de)
Federantrieb für ein Schaltgerät

Title (fr)
Entraînement à ressort pour un appareil de commutation

Publication
EP 0651409 B1 19970910 (DE)

Application
EP 93117797 A 19931103

Priority
EP 93117797 A 19931103

Abstract (en)
[origin: EP0651409A1] The spring drive for an electrical switching device has a connection shaft to which a connection spring is eccentrically coupled and on which the large wheel (16) is seated in a rotationally fixed manner. A small wheel (20), which is driven in order to stress the connection spring, interacts with said large wheel (16). The tooth system (52) of the large wheel (16) has a gap (54) in order to decouple the pair of wheels (18) when the connection spring is stressed. In order to connect the switching device, the large wheel (16) is driven in the rotation direction (D), as a result of which the tooth system (52) engages with the small wheel (20) again. In order to prevent the wheels locking up when they engage in one another, the teeth (60) of the small wheel (20) are designed in such a manner that the edges (56,58) abut against one another, radially on the outside, at a common edge (62). <IMAGE>

IPC 1-7
H01H 3/30

IPC 8 full level
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CPC (source: EP US)
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Cited by
DE102016214544B4; US9431186B2; CN103996565A; EP1130610A1; FR2805921A1; DE102016214544A1; CN112201490A; EP0881652A1; FR2763740A1; US5981889A; EP0917168A1; FR2770929A1; US6066820A; CN1096092C; CN102867663A; US2015187520A1; EP2073227A1; EP2023361A1; US7671292B2; EP2073228A1; EP0658909A1

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