Title (en)
SPRING DRIVE ASSEMBLY FOR SPRING DRIVE OF CIRCUIT BREAKER

Title (de)
FEDERANTRIEBSANORDNUNG FÜR FEDERANTRIEB EINES LEISTUNGSSCHALTERS

Title (fr)
ENSEMBLE D'ENTRAÎNEMENT À RESSORT POUR ENTRAÎNEMENT À RESSORT DE DISJONCTEUR

Publication
EP 4425517 A1 20240904 (EN)

Application
EP 23160054 A 20230303

Priority
EP 23160054 A 20230303

Abstract (en)
Embodiments herein provide a spring drive assembly (50) for a spring drive (80) of a circuit breaker. The spring drive assembly (50) comprises a closing shaft (2) operatively connected to closing spring (60) of circuit breaker, closing shaft being configured to rotate upon spring movement of closing spring from charged position to discharged position. The spring drive assembly (50) further comprises a limiting disc operatively connected to the closing shaft (2), and limiting disc comprises an outer peripheral portion. The spring drive assembly (50) comprises latch lever (3). The latch lever (3) comprises a first end connected to a resetting spring (5), a second end configured for sliding contact with outer peripheral portion of the limiting disc (8), and pivot pin for pivotable support of latch lever and arranged such that the resetting spring causes second end to be in sliding contact with outer peripheral portion of limiting disc.

IPC 8 full level
H01H 3/30 (2006.01); **H01H 33/40** (2006.01)

CPC (source: EP)
H01H 3/3031 (2013.01); **H01H 3/3052** (2013.01); **H01H 33/40** (2013.01)

Citation (search report)
- [XA] US 5687835 A 19971118 - SCHULER KLAUS [DE], et al
- [XA] US 2018211796 A1 20180726 - KALIN DANIEL [CH], et al
- [XA] JP S58184227 A 19831027 - MITSUBISHI ELECTRIC CORP
- [A] US 4110579 A 19780829 - FRINK RUSSELL E, 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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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