

Title (en)  
A SWITCHING SYSTEM

Title (de)  
SCHALTSYSTEM

Title (fr)  
SYSTÈME DE COMMUTATION

Publication  
**EP 3965130 A1 20220309 (EN)**

Application  
**EP 20194853 A 20200907**

Priority  
EP 20194853 A 20200907

Abstract (en)  
The invention relates to a switching system (1) comprising a low, medium or high voltage switch and a charging device, comprising:- a main spring (10) of the switch;- a spring support (20) of the switch;- a main shaft (30) of the switch; and- a motor (40) of the charging device;wherein, a first end (11) of the main spring is connected to the spring support;wherein, a second end (12) of the main spring is connected to the main shaft;wherein, the spring support is configured to rotate about an axis of the main shaft;wherein, at least part of a circumference of the spring support comprises a thread (22);wherein, the motor comprises a worm thread configured to engage with the thread of the spring support;wherein, the motor is configured to rotate the worm thread, and wherein rotation of the worm thread is configured to rotate the spring support to store energy in the main spring;wherein, the motor is configured not to rotate the worm thread when the energy stored in the main spring has reached a threshold level; andwherein, energy release from the main spring is configured to rotate the main shaft.

IPC 8 full level  
**H01H 3/26** (2006.01); **H01H 3/30** (2006.01); **H01H 33/40** (2006.01)

CPC (source: CN EP)  
**H01H 3/02** (2013.01 - CN); **H01H 3/3005** (2013.01 - CN EP); **H01H 3/3042** (2013.01 - EP); **H01H 33/40** (2013.01 - EP);  
**H01H 71/10** (2013.01 - CN); **H01H 71/66** (2013.01 - CN); **H01H 71/70** (2013.01 - CN)

Citation (search report)

- [XAY] JP S5794123 U 19820610
- [YA] DE 499839 C 19300617 - ASEA AB
- [XAY] CH 220843 A 19420430 - OERLIKON MASCHF [CH]
- [A] CH 682431 A5 19930915 - SPRECHER ENERGIE AG

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 3965130 A1 20220309**; CN 114156143 A 20220308

DOCDB simple family (application)  
**EP 20194853 A 20200907**; CN 202111040220 A 20210906