

Title (en)

SWITCH ASSEMBLY WITH DRIVE SYSTEM, AND METHOD FOR SAFELY OPERATING A SWITCH ASSEMBLY

Title (de)

SCHALTERANORDNUNG MIT ANTRIEBSSYSTEM UND VERFAHREN ZUM SICHEREN BETRIEB EINER SCHALTERANORDNUNG

Title (fr)

ENSEMBLE COMMUTATEUR COMPRENANT UN SYSTÈME D'ENTRAÎNEMENT ET PROCÉDÉ POUR FAIRE FONCTIONNER UN ENSEMBLE COMMUTATEUR DE MANIÈRE SÛRE

Publication

EP 3963609 A1 20220309 (DE)

Application

EP 20721209 A 20200423

Priority

- DE 102019112712 A 20190515
- EP 2020061278 W 20200423

Abstract (en)

[origin: WO2020229121A1] The invention relates to a switch assembly (1) comprising a switch (17) and a servo drive system (2) for the switch (17). The servo drive system (2) has a motor (14) for driving the on-load tap changer (17), a power section (11) for supplying energy to the motor (12), and a control unit (10) for actuating the power section (11) on the basis of at least one setpoint value. The control unit (10) is designed to identify the presence of at least one safety-relevant event and, in the case of the safety-relevant event, generate at least one control signal and transmit same to the power section (11). The power section (11) is designed to initiate or carry out at least one safety measure on the basis of the control signal.

IPC 8 full level

H01H 3/22 (2006.01); **H01H 3/26** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP US)

H01H 3/22 (2013.01 - EP); **H01H 3/26** (2013.01 - US); **H01H 9/0027** (2013.01 - EP); **H01H 3/26** (2013.01 - EP); **H01H 2003/266** (2013.01 - EP US); **H01H 2009/0061** (2013.01 - EP)

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)

DE 102019112712 A1 20201119; CN 113811967 A 20211217; EP 3963609 A1 20220309; US 11996250 B2 20240528; US 2022216013 A1 20220707; WO 2020229121 A1 20201119

DOCDB simple family (application)

DE 102019112712 A 20190515; CN 202080034822 A 20200423; EP 2020061278 W 20200423; EP 20721209 A 20200423; US 202017608165 A 20200423