

Title (en)

SWITCHING CONTACT SYSTEM FOR A SWITCHING SYSTEM

Title (de)

SCHALTKONTAKTSYSTEM FÜR EIN VERMITTLUNGSSYSTEM

Title (fr)

SYSTÈME DE CONTACT DE COMMUTATION POUR UN SYSTÈME DE COMMUTATION

Publication

EP 3956913 A1 20220223 (EN)

Application

EP 20736659 A 20200702

Priority

- DE 102019117802 A 20190702
- EP 2020068631 W 20200702

Abstract (en)

[origin: WO2021001471A1] Switching contact system (1.1; 1.2; 1.3; 1.4; 1.5; 1.6) for a switching system consists of a first contact piece (7) and a second movable contact piece (8). A conductive contact piece support (2.1; 2.2; 2.3; 2.4; 2.5; 2.6) is electrically connected to a second electrically conductive component (10.1; 10.2; 10.3; 10.4; 10.5). One ferromagnetic element (11; 11') is spaced apart from the contact piece support (2.1; 2.2; 2.3; 2.4; 2.5; 2.6). In an operating state, at a short-circuit, the contact piece support (2.1; 2.2; 2.3; 2.4; 2.5; 2.6) is bent such an attraction force is caused that moves the second movable contact piece (8) such that an initial electrical contact point between the second movable contact piece (8) and the first contact piece (7) is shifted and any existing sticking points are broken up.

IPC 8 full level

H01H 1/26 (2006.01); **H01H 1/54** (2006.01); **H01H 3/00** (2006.01); **H01H 50/56** (2006.01)

CPC (source: CN EP)

H01H 1/26 (2013.01 - EP); **H01H 1/54** (2013.01 - EP); **H01H 3/001** (2013.01 - EP); **H01H 50/02** (2013.01 - CN); **H01H 50/16** (2013.01 - CN); **H01H 50/54** (2013.01 - CN); **H01H 50/56** (2013.01 - EP); **H01H 50/64** (2013.01 - CN); **H01H 50/641** (2013.01 - EP)

Citation (search report)

See references of WO 2021001471A1

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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 102019117802 A1 20210107; CN 113841214 A 20211224; CN 113841214 B 20231212; EP 3956913 A1 20220223; WO 2021001471 A1 20210107

DOCDB simple family (application)

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