

Title (en)
NEUTRAL LINE OVERLAPPING MECHANISM AND DUAL-POWER AUTOMATIC TRANSFER SWITCH INCLUDING THE SAME

Title (de)
NEUTRALLEITERÜBERLAPPUNGSMECHANISMUS UND AUTOMATISCHER TRANSFERSCHALTER FÜR ZWEI STROMQUELLEN DAMIT

Title (fr)
MÉCANISME DE CHEVAUCHEMENT DE LIGNE NEUTRE ET COMMUTATEUR DE TRANSFERT AUTOMATIQUE À DOUBLE PUISSANCE LE COMPRENANT

Publication
EP 3872823 A1 20210901 (EN)

Application
EP 21305233 A 20210226

Priority
CN 202020222633 U 20200227

Abstract (en)
This disclosure relates to a neutral line overlapping mechanism for a dual power automatic transfer switch, which comprises a first tie rod assembly and a second tie rod assembly; a first neutral pole moving contact assembly and a first neutral pole static contact assembly and a second neutral pole moving contact assembly and a second neutral pole static contact assembly and is configured to: when the dual-power automatic transfer switch is in the dual-split position, one of neutral poles is in the on state; the first and the second neutral pole moving contact assembly do not operate when the double power automatic transfer switch is switched off; the first neutral pole moving contact assembly and the first moving contact assembly are interlocked or the second neutral pole moving contact assembly and the second moving contact assembly are interlocked when a first power supply of the dual-power automatic transfer switch is switched on.

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Citation (search report)
• [XY] CN 204577267 U 20150819 - SHENZHEN TAIYONG ELECTRICAL TECHNOLOGY CO LTD
• [IA] EP 3174078 A1 20170531 - SCHNEIDER ELECTRIC IND SAS [FR]
• [YA] EP 3567622 A1 20191113 - SCHNEIDER ELECTRIC IND SAS [FR]
• [YA] CN 208796868 U 20190426 - SCHNEIDER ELECTRIC IND SAS

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 3872823 A1 20210901; CN 113314362 A 20210827; CN 212084864 U 20201204

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EP 21305233 A 20210226; CN 202010294099 A 20200415; CN 202020560212 U 20200415