

Title (en)  
SHUTTER MECHANISM FOR SWITCHGEAR AND SWITCHGEAR THEREOF

Title (de)  
VERSCHLUSSMECHANISMUS FÜR EINE SCHALTANLAGE UND SCHALTANLAGE DAFÜR

Title (fr)  
MÉCANISME D'OBTURATION DESTINÉ À UN APPAREILLAGE DE COMMUTATION ET APPAREILLAGE DE COMMUTATION ASSOCIÉ

Publication  
**EP 3871301 A4 20220914 (EN)**

Application  
**EP 18938052 A 20181023**

Priority  
CN 2018111468 W 20181023

Abstract (en)  
[origin: WO2020082239A1] Embodiments of the present disclosure provide a shutter mechanism for a switchgear. The shutter mechanism comprises a first moveable cover and a second moveable cover arranged between fixed contacts and moveable contacts of a circuit breaker on a withdrawable truck of the switchgear; and a transmission mechanism arranged at least in part below the withdrawable truck and coupled to the first and second moveable covers, the transmission mechanism adapted to be actuated by a movement of the withdrawable truck to drive the first and second moveable covers to move close to each other to a block position to block the fixed contacts when the withdrawable truck moves to a test position, and move away from each other to an unblock position to unblock the fixed contacts when the withdrawable truck moves from the test position to an intermediate position between the test position and a work position. With such an arrangement, the first and second moveable covers cannot be opened by manually operating the transmission mechanism directly or by pushing the covers, improving the safety of the shutter mechanism.

IPC 8 full level  
**H02B 11/24** (2006.01)

CPC (source: EP)  
**H02B 11/24** (2013.01)

Citation (search report)

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- [X] CN 102882138 A 20130116 - JIANGSU NANRUI POWER ELECTRICAL CO LTD
- [A] JP 2016116303 A 20160623 - CHUGOKU ELECTRIC POWER CO INC
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- [A] EP 0099036 A1 19840125 - SIEMENS AG [DE]
- [A] JP S4998723 U 19740826
- See references of WO 2020082239A1

Designated contracting state (EPC)  
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**CN 2018111468 W 20181023**; CN 201880095478 A 20181023; EP 18938052 A 20181023; EP 22205604 A 20181023