

Title (en)  
SHORT-CIRCUITING DEVICE

Title (de)  
KURZSCHLUSSVORRICHTUNG

Title (fr)  
DISPOSITIF DE COURT-CIRCUIT

Publication  
**EP 4131310 A1 20230208 (EN)**

Application  
**EP 21189115 A 20210802**

Priority  
EP 21189115 A 20210802

Abstract (en)  
A short-circuiting device (14) comprises a triggering circuit (16), an actuating element (30), a stationary electrode (20) and a moveable electrode (22), where the actuating element (30) is moveable between a first retracted position and a first extended position and joined to the moveable electrode (22) for being moved between a corresponding second retracted position, where there is gap of a first distance between the moveable and stationary electrodes (22, 20), and a second extended position, where the gap has a second lower distance, the triggering circuit (16) being configured to trigger a current to start to flow between the electrodes (20, 22) after the actuating element (30) has been actuated to move from the first retracted position and before reaching the first extended position and the current continues to flow in the gap after a first zero crossing and at least until a second zero-crossing.

IPC 8 full level  
**H01H 33/28** (2006.01); **H01H 33/38** (2006.01); **H01H 33/59** (2006.01); **H01H 33/666** (2006.01); **H01T 4/02** (2006.01); **H01T 4/12** (2006.01); **H01T 15/00** (2006.01)

CPC (source: EP)  
**H01H 33/285** (2013.01); **H01H 33/38** (2013.01); **H01H 33/596** (2013.01); **H01H 33/666** (2013.01); **H01T 4/02** (2013.01); **H01T 4/12** (2013.01); **H01T 15/00** (2013.01)

Citation (search report)

- [XII] US 2017250040 A1 20170831 - SATO MOTOHIRO [JP], et al
- [AD] CN 106328433 B 20180907
- [A] CN 100454734 C 20090121 - UNIV XI AN JIAOTONG [CN]
- [A] US 2020194206 A1 20200618 - WANG HONGBIN [US], et al
- [A] CN 1697107 A 20051116 - UNIV XI AN JIAOTONG [CN]

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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