

Title (en)

WIRE FOR SLIDING CONTACTS AND SLIDING CONTACTS

Title (de)

DRAHT FÜR SCHLEIFKONTAKTE UND SCHLEIFKONTAKTE

Title (fr)

FIL POUR CONTACTS PAR FROTTEMENT ET CONTACTS PAR FROTTEMENT

Publication

**EP 2721696 B1 20200930 (DE)**

Application

**EP 12732967 A 20120612**

Priority

- DE 102011106518 A 20110615
- EP 2012002478 W 20120612

Abstract (en)

[origin: WO2012171632A1] The invention relates to a wire for producing a sliding contact, wherein at least an inner core of the wire comprises a copper/silver alloy. The invention also relates to a sliding contact with at least one such wire, wherein a mating contact is provided, with at least one of the wires resting on the conductive surface of said mating contact, wherein the spring force of the wire on the conductive surface of the mating contact brings about electrical contact between the wire and the mating contact, and the mating contact is moveable towards the wire, with the result that the surface of the wire slides over the mating contact during a movement of the mating contact. Finally, the invention also relates to a potentiometric sensor, a potentiometer, a sliding controller, a position sensor, a rotary switch, an electric motor, a generator, a wind turbine, a slip ring system, a servo drive or a current collector with such a sliding contact.

IPC 8 full level

**H01R 13/33** (2006.01); **H01B 1/02** (2006.01); **H01R 39/20** (2006.01)

CPC (source: EP US)

**H01B 1/026** (2013.01 - EP US); **H01R 13/33** (2013.01 - EP US); **H01R 39/20** (2013.01 - EP US)

Citation (examination)

- US 4314848 A 19820209 - TODOROKI TSUNEHICO, et al
- US 2001024735 A1 20010927 - KUHLMANN-WILSDORF DORIS [US], et al

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

DOCDB simple family (publication)

**DE 102011106518 A1 20121220**; **DE 102011106518 B4 20171228**; CN 103608976 A 20140226; CN 103608976 B 20200515; EP 2721696 A1 20140423; EP 2721696 B1 20200930; US 2014120743 A1 20140501; WO 2012171632 A1 20121220

DOCDB simple family (application)

**DE 102011106518 A 20110615**; CN 201280028519 A 20120612; EP 12732967 A 20120612; EP 2012002478 W 20120612; US 201214126080 A 20120612