Title (en)

ELECTRODES SUITABLE FOR PRODUCING MICRO- AND/OR NANOSTRUCTURES ON MATERIALS

Title (de)

ELEKTRODEN GEEIGNET FÜR DIE HERSTELLUNG VON MIKRO- UND/ODER NANOSTRUKTUREN AUF WERKSTOFFEN

Title (fr)

ÉLECTRODES PERMETTANT DE RÉALISER DES MICRO- ET/OU NANOSTRUCTURES SUR DES MATÉRIAUX

Publication

EP 3110990 A2 20170104 (DE)

Application

EP 15712075 A 20150227

Priority

- DE 102014102550 A 20140227
- EP 2015054221 W 20150227

Abstract (en)

[origin: WO2015128501A2] The invention relates to an electrode suitable for producing micro- and/or nanostructures on materials, comprising a substrate that has at least one first conducting layer on the surface of the substrate or a substrate that forms a conductive substrate layer, wherein at least one first insulating layer is formed on the at least one first conducting layer or the conductive substrate layer, wherein the first insulating layer covers the at least one first conducting layer or the conductive substrate layer only in some section and at least one structuring element is formed. The substrate has a substantially curved shape or can be plastically or elastically deformed. A further aspect relates to a multi-layer electrode and an electrode that has a fluidic channel, the flow area of which increases or decreases in a direction of longitudinal extent.

IPC 8 full level

C25F 3/14 (2006.01); **B23H 3/04** (2006.01); **B23H 9/06** (2006.01); **C25F 7/00** (2006.01)

CPC (source: EP)

B23H 3/06 (2013.01); **B23H 9/008** (2013.01); **C25F 3/14** (2013.01); **C25F 7/00** (2013.01); B23H 9/10 (2013.01)

Citation (search report)

See references of WO 2015128501A2

Citation (examination)

- EP 1068921 A1 20010117 - LEE EUN SANG [KR], et al
- WO 02070183 A1 20020912 - BOSCH GMBH ROBERT [DE], 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014102550 A1 20150827; EP 3110990 A2 20170104; WO 2015128501 A2 20150903; WO 2015128501 A3 20151015

DOCDB simple family (application)

DE 102014102550 A 20140227; EP 15712075 A 20150227; EP 2015054221 W 20150227