Title (en)

METHOD FOR PRODUCING AN ELECTRODE FOR A HIGH-PRESSURE DISCHARGE LAMP AND HIGH-PRESSURE DISCHARGE LAMP COMPRISING AT LEAST ONE ELECTRODE THUS PRODUCED

Title (de)

VERFAHREN ZUM HERSTELLEN EINER ELEKTRODE FÜR EINE HOCHDRUCKENTLADUNGSLAMPE UND HOCHDRUCKENTLADUNGSLAMPE MIT MINDESTENS EINER DERART HERGESTELLTEN ELEKTRODE

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE ÉLECTRODE POUR UNE LAMPE À DÉCHARGE À HAUTE PRESSION ET LAMPE À DÉCHARGE À HAUTE PRESSION COMPRENANT AU MOINS UNE ÉLECTRODE AINSI FABRIQUÉE

Publication

EP 2526563 B1 20141008 (DE)

Application

EP 11778853 A 20111028

Priority

- DE 102010043463 A 20101105
- EP 2011069030 W 20111028

Abstract (en)

[origin: WO2012059435A1] The invention relates to a method for producing an electrode (16) for a high-pressure discharge lamp (10), comprising the following steps: a) passing over at least a portion of the electrode surface for generating an oxide layer (step 120), preferably using a laser beam; b) at least partially sublimating the oxide layer created in step a) (step 120); and c) reducing the remaining oxide layer (140). The invention further relates to a high-pressure discharge lamp (10) comprising at least one electrode thus produced.

IPC 8 full level

H01J 61/073 (2006.01); **H01J 1/20** (2006.01); **H01J 9/04** (2006.01)

CPC (source: EP US)

H01J 1/20 (2013.01 - EP US); **H01J 9/04** (2013.01 - EP US); **H01J 9/042** (2013.01 - EP US); **H01J 61/0732** (2013.01 - EP US); H01J 2201/19 (2013.01 - EP US); H01J 2209/02 (2013.01 - EP US)

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 102010043463 A1 20120510; CN 103189958 A 20130703; CN 103189958 B 20160803; EP 2526563 A1 20121128; EP 2526563 B1 20141008; JP 2014500585 A 20140109; JP 5693740 B2 20150401; US 2013221842 A1 20130829; US 8876570 B2 20141104; WO 2012059435 A1 20120510

DOCDB simple family (application)

DE 102010043463 A 20101105; CN 201180053479 A 20111028; EP 11778853 A 20111028; EP 2011069030 W 20111028; JP 2013537087 A 20111028; US 201113883723 A 20111028