

Title (en)

GAS DISCHARGE LAMP, SYSTEM AND METHOD FOR HARDENING MATERIALS HARDENABLE BY MEANS OF UV-LIGHT, AND MATERIAL HARDENED BY UV-LIGHT

Title (de)

GASENTLADUNGSLAMPE, SYSTEM UND VERFAHREN ZUM HÄRTEN VON DURCH UV-LICHT HÄRTBARE MATERIALIEN SOWIE DURCH UV-LICHT GEHÄRTETES MATERIAL

Title (fr)

LAMPE A DECHARGE GAZEUSE, SYSTEME ET PROCEDE DE DURCISSEMENT DE MATERIAUX DURCISSEMENT PAR LUMIERE UV ET MATERIAU DURCI PAR LUMIERE UV

Publication

**EP 1800327 A2 20070627 (DE)**

Application

**EP 05802402 A 20050930**

Priority

- EP 2005010609 W 20050930
- DE 102004048005 A 20041001

Abstract (en)

[origin: WO2006037578A2] The invention relates to a gas discharge lamp which is used to harden materials hardenable by means of UV-light, comprising a tube (4) which is filled with a filling gas (3) and which is used to produce a discharge gas used to emit electromagnetic radiation until 200nm by using an inert gas device which is used to prepare an inert gas and to lead the inert gas to the surface of the material which is to be hardened. The invention further relates to a system and to a method for hardening materials which can be hardened by UV-light, in addition to a material hardened due the inventive method.

IPC 8 full level

**B41M 7/00** (2006.01); **H01J 61/12** (2006.01); **H01J 61/30** (2006.01); **H01J 61/72** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP US)

**B41M 7/0045** (2013.01 - EP US); **B41M 7/0081** (2013.01 - EP US); **H01J 61/12** (2013.01 - EP US); **H01J 61/16** (2013.01 - EP US); **H01J 61/18** (2013.01 - EP US); **H01J 61/20** (2013.01 - EP US); **H01J 61/30** (2013.01 - EP US); **H01J 61/302** (2013.01 - EP US); **H01J 61/72** (2013.01 - EP US); **H01J 65/044** (2013.01 - EP US)

Citation (search report)

See references of WO 2006037578A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**DE 102004048005 A1 20060413**; EP 1800327 A2 20070627; JP 2008521162 A 20080619; US 2008105830 A1 20080508; WO 2006037578 A2 20060413; WO 2006037578 A3 20090312

DOCDB simple family (application)

**DE 102004048005 A 20041001**; EP 05802402 A 20050930; EP 2005010609 W 20050930; JP 2007533958 A 20050930; US 66431305 A 20050930