

Title (en)

Mercury vapour lamp for homogeneous lighting of an area

Title (de)

Quecksilberdampfampe für eine homogene flächenhafte Bestrahlung

Title (fr)

Lampe à vapeur de mercure pour un rayonnement plan homogène

Publication

**EP 2416346 A3 20130102 (DE)**

Application

**EP 11005665 A 20110712**

Priority

DE 102010033446 A 20100804

Abstract (en)

[origin: EP2416346A2] The lamp (1) has a lamp piston designed as a quartz glass chamber (2) with a lower side (4), an upper side (3) and side walls (5). The lamp piston is divided into sub chambers (7a-7d) by separation bars (6), which project from the lower side to the upper side, and are made of quartz glass. Two of the sub chambers (7a, 7d) form a non-linear gas discharge channel in a sequence. The bars extend between the side walls by forming a gap, which fluidically connects the adjacent sub chambers. Electrodes (10) are associated to two of the sub chambers.

IPC 8 full level

**H01J 61/30** (2006.01); **H01J 61/72** (2006.01)

CPC (source: EP US)

**H01J 61/307** (2013.01 - EP US); **H01J 61/72** (2013.01 - EP US)

Citation (search report)

- [Y] DE 202008017007 U1 20090716 - UV TECHNIK SPEZIALLAMPEN GMBH [DE]
- [A] US 2326773 A 19430817 - FLOYD OSCAR H
- [I] US 6731058 B1 20040504 - KINCADE RANDAL S [US]
- [A] US 6373185 B1 20020416 - TYLER PETER MICHAEL [GB]
- [XYI] HICKS R ET AL: "DEVELOPMENT OF A NEW LAMP TECHNOLOGY FOR BACKLIGHT LCDS", SID INTERNATIONAL SYMPOSIUM - DIGEST OF TECHNICAL PAPERS. SEATTLE, MAY 16 - 21, 1993; [SID INTERNATIONAL SYMPOSIUM - DIGEST OF TECHNICAL PAPERS], PLAYA DEL REY, SID, US, vol. 24 PART 01, 16 May 1993 (1993-05-16), pages 21 - 24, XP000470744

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EP2799092A1; US8963103B2

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)

**EP 2416346 A2 20120208; EP 2416346 A3 20130102; EP 2416346 B1 20130925**; CA 2745283 A1 20120204; CA 2745283 C 20140429; DE 102010033446 A1 20120209; DE 102010033446 B4 20120322; DK 2416346 T3 20131216; JP 2012038729 A 20120223; PL 2416346 T3 20140331; US 2012032586 A1 20120209; US 8400059 B2 20130319

DOCDB simple family (application)

**EP 11005665 A 20110712**; CA 2745283 A 20110706; DE 102010033446 A 20100804; DK 11005665 T 20110712; JP 2011170927 A 20110804; PL 11005665 T 20110712; US 201113181916 A 20110713