

Title (en)
HIGH-PRESSURE DISCHARGE LAMP

Title (de)
HOCHDRUCKENTLADUNGSLAMPE

Title (fr)
LAMPE A DECHARGE HAUTE PRESSION

Publication
EP 1754245 A2 20070221 (DE)

Application
EP 05749222 A 20050429

Priority
• DE 2005000792 W 20050429
• DE 102004024063 A 20040513

Abstract (en)
[origin: WO2005112074A2] The invention relates to a high-pressure discharge lamp for vehicle headlights having a power consumption of less than 100 watt. Said high-pressure discharge lamp comprises a quartz glass discharge recipient (10) having two opposing ends (101, 102) which are sealed by molybdenum films (103, 104). Two electrodes (11, 12) which are respectively connected to one of the molybdenum films (103, 104), and an ionisable filler containing xenon and a halogenide of sodium and scandium, are arranged in the inner region (106) of the discharge recipient (10), for producing a gas discharge. According to the invention, the minimum distance (A) between the respective molybdenum film (103, 104) and the end of the electrode (11, 12) which is connected thereto and protrudes into the inner region (106) of the discharge recipient (10) is more than 5 mm.

IPC 8 full level
H01J 61/00 (2006.01); **H01J 61/073** (2006.01); **H01J 61/12** (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP US)
H01J 61/125 (2013.01 - EP US); **H01J 61/368** (2013.01 - EP US)

Citation (search report)
See references of WO 2005112074A2

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
WO 2005112074 A2 20051124; WO 2005112074 A3 20070419; CA 2566035 A1 20051124; CN 101036214 A 20070912; CN 101036214 B 20110622; DE 102004024063 A1 20051201; EP 1754245 A2 20070221; EP 1754245 B1 20170830; JP 2007537564 A 20071220; US 2007222387 A1 20070927

DOCDB simple family (application)
DE 2005000792 W 20050429; CA 2566035 A 20050429; CN 200580015110 A 20050429; DE 102004024063 A 20040513; EP 05749222 A 20050429; JP 2007511845 A 20050429; US 59607505 A 20050429