

Title (en)
High pressure discharge lamp

Title (de)
Hochdruckentladungslampe

Title (fr)
Lampe à décharge haute tension

Publication
EP 2131383 A2 20091209 (DE)

Application
EP 09161223 A 20090527

Priority
DE 202008007518 U 20080605

Abstract (en)
The lamp (1) has a discharge container enclosing a discharge volume, and electrodes extending into the discharge volume enclosed by the container. A filling containing metal halides is accommodated in the discharge volume. The discharge container is enclosed by an outer piston that is supported by a frame (21), where the outer piston is evacuated. The frame in the outer piston serves for the adjustment and maintenance of vacuum. The frame is partially or sectionally made of niobium and zirconium, where the frame is exposed in a temperature of 230 degree centigrades.

Abstract (de)
Das Gestell, das ein Entladungsgefäß in einem Außenkolben haltet, ist aus Nb, Zr oder einer Legierung dieser beiden Metalle gefertigt, wobei dieses in einem evakuierten Außenkolben als Getter wirkt.

IPC 8 full level
H01J 7/18 (2006.01); **H01J 61/34** (2006.01)

CPC (source: EP US)
H01J 7/186 (2013.01 - EP US); **H01J 61/34** (2013.01 - EP US)

Citation (applicant)
• DE 19951445 C1 20010719 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
• EP 0790639 A1 19970820 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• EP 0251436 A2 19880107 - EMI PLC THORN [GB]

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
DE 202008007518 U1 20080821; CN 101599411 A 20091209; EP 2131383 A2 20091209; EP 2131383 A3 20100804;
JP 2009295584 A 20091217; US 2010039032 A1 20100218

DOCDB simple family (application)
DE 202008007518 U 20080605; CN 200910145735 A 20090605; EP 09161223 A 20090527; JP 2009133635 A 20090603;
US 47851809 A 20090604