

Title (en)
High pressure discharge lamp

Title (de)
Hochdruckentladungslampe

Title (fr)
Lampe à décharge à haute pression

Publication
EP 0759633 B1 19990922 (DE)

Application
EP 96111638 A 19960718

Priority
DE 19530293 A 19950817

Abstract (en)
[origin: US5712531A] The invention concerns high-pressure discharge lamps, whose electrodes have a sintered compact (5) containing lanthanum oxide acting as an electron emitter, and this compact is surrounded by an electrode coil (6). Sintered compact (5) contains at least 90 weight % lanthanum oxide. In this way, a high thermal stability of sintered compact (5) and a good ignition performance of the lamp are assured with only negligible blackening of the discharge vessel over the service life of the lamp.

IPC 1-7
H01J 61/073

IPC 8 full level
H01J 61/073 (2006.01); **H01J 61/06** (2006.01)

CPC (source: EP US)
H01J 61/073 (2013.01 - EP US); **H01J 61/0732** (2013.01 - EP US); **H01J 61/0735** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
US 5712531 A 19980127; CA 2183481 A1 19970218; DE 19530293 A1 19970220; DE 59603137 D1 19991028; EP 0759633 A1 19970226; EP 0759633 B1 19990922; HU 215045 B 19980928; HU 9602280 D0 19961028; HU P9602280 A1 19971128; JP H0963535 A 19970307

DOCDB simple family (application)
US 68859596 A 19960730; CA 2183481 A 19960816; DE 19530293 A 19950817; DE 59603137 T 19960718; EP 96111638 A 19960718; HU P9602280 A 19960816; JP 23251396 A 19960814