

Title (en)

High pressure discharge lamp for vehicle headlamps

Title (de)

Hochdruckentladungslampe für Fahrzeugscheinwerfer

Title (fr)

Lampe à décharge à haute pression pour projecteurs de véhicule

Publication

EP 1465237 A3 20071219 (DE)

Application

EP 04003303 A 20040213

Priority

DE 10312290 A 20030319

Abstract (en)

[origin: EP1465237A2] An ionizable filling is comprised of xenon and halides of metals sodium, scandium, indium and zinc to produce gas discharge within a discharge vessel (10) sealed in gas tight manner.

IPC 8 full level

F21S 8/10 (2006.01); **H01J 61/12** (2006.01); **H01J 17/20** (2006.01); **H01J 61/073** (2006.01); **H01J 61/16** (2006.01); **H01J 61/18** (2006.01); **H01J 61/20** (2006.01); **H01J 61/30** (2006.01); **H01J 61/82** (2006.01); **H01J 61/84** (2006.01); **H01J 61/86** (2006.01); **H01J 61/88** (2006.01); **F21S 8/12** (2006.01); **F21W 101/10** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP KR US)

H01J 61/125 (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US); **H01T 4/02** (2013.01 - KR); **H01T 4/14** (2013.01 - KR)

Citation (search report)

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- [E] EP 1453363 A1 20040901 - HARISON TOSHIBA LIGHTING CORP [JP]
- [X] DE 19731168 A1 19990128 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [X] EP 0399288 A2 19901128 - GEN ELECTRIC [US]
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- [PX] DE 10245000 A1 20030430 - KOITO MFG CO LTD [JP]
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- [A] EP 1011126 A2 20000621 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] WO 9905699 A1 19990204 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1465237 A2 20041006; **EP 1465237 A3 20071219**; **EP 1465237 B1 20131002**; DE 10312290 A1 20040930; JP 2004288629 A 20041014; JP 4404663 B2 20100127; KR 101079746 B1 20111103; KR 20040083006 A 20040930; US 2004183446 A1 20040923; US 7126281 B2 20061024

DOCDB simple family (application)

EP 04003303 A 20040213; DE 10312290 A 20030319; JP 2004078746 A 20040318; KR 20040018922 A 20040319; US 79884804 A 20040312