

Title (en)

High pressure metal halide lamp with xenon buffer gas.

Title (de)

Hochdruckmetallhalogenidbogenlampe mit Xenonpuffergas.

Title (fr)

Lampe à arc à haute pression à halogène de métal à xénon comme gaz tampon.

Publication

**EP 0183247 A2 19860604 (EN)**

Application

**EP 85115070 A 19851127**

Priority

US 67636784 A 19841129

Abstract (en)

High pressure xenon is used as a buffer gas in place of mercury in a high pressure sodium iodide arc discharge lamp. Xenon buffer gas has a more favorable influence than mercury on the sodium D-line spectrum and does not react with halides in the lamp fill. The use of xenon buffer gas increases the efficacy of the high pressure sodium iodide arc lamp.

IPC 1-7

**H01J 61/12**; **H01J 61/82**

IPC 8 full level

**H01J 61/16** (2006.01); **H01J 61/12** (2006.01); **H01J 61/20** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)

**H01J 61/125** (2013.01); **H01J 61/825** (2013.01)

Cited by

EP0837492A3; EP0542467A1; US5256940A; FR2621736A1; US6051927A; EP0834905A3; GB2210498A; BE1003235A3; GB2210498B; FR2890233A1; GB2237927A; GB2237927B; EP0207333A1; US7348730B2; WO2005062341A3; WO2007023227A3

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0183247 A2 19860604**; **EP 0183247 A3 19881019**; BR 8506070 A 19860819; JP S61142654 A 19860630

DOCDB simple family (application)

**EP 85115070 A 19851127**; BR 8506070 A 19851126; JP 26630085 A 19851128