

Title (en)  
METAL HALIDE DISCHARGE LAMP FOR PHOTO-OPTICAL PURPOSES

Title (de)  
METALLHALOGENID-ENTLADUNGSLAMPE FÜR FOTOOPTISCHE ZWECKE

Title (fr)  
LAMPE A DECHARGE A HALOGENURE METALLIQUE A USAGE PHOTO-OPTIQUE

Publication  
**EP 0788655 B1 19981223 (DE)**

Application  
**EP 95934051 A 19951010**

Priority  
• DE 9501398 W 19951010  
• DE 4438294 A 19941026

Abstract (en)  
[origin: US5798612A] PCT No. PCT/DE95/01398 Sec. 371 Date Mar. 17, 1997 Sec. 102(e) Date Mar. 17, 1997 PCT Filed Oct. 10, 1995 PCT Pub. No. WO96/13851 PCT Pub. Date May 9, 1996A metal-halide discharge lamp for photo-optical purposes contains an ionisable fill, comprising mercury, at least one noble gas, at least one halogen, aluminum (Al) and indium (In) as well as gallium (Ga) in addition. By the addition of Ga, typically in the range between 0.02 mg/cm<sup>3</sup> and 1 mg/cm<sup>3</sup>, a reduction in the starting voltage is attained, while maintaining an Ra>85 at color temperatures typically between 5000 K and 11000 K.

IPC 1-7  
**H01J 61/12**

IPC 8 full level  
**H01J 61/12** (2006.01); **H01J 61/20** (2006.01); **H01J 61/88** (2006.01); **H01J 65/00** (2006.01)

CPC (source: EP KR US)  
**H01J 61/12** (2013.01 - KR); **H01J 61/125** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**US 5798612 A 19980825**; CA 2201591 A1 19960509; CA 2201591 C 20020305; CN 1089942 C 20020828; CN 1161757 A 19971008; DE 4438294 A1 19960502; DE 59504652 D1 19990204; EP 0788655 A1 19970813; EP 0788655 B1 19981223; JP H10507868 A 19980728; KR 100351338 B1 20021118; KR 970707570 A 19971201; WO 9613851 A1 19960509

DOCDB simple family (application)  
**US 79377697 A 19970317**; CA 2201591 A 19951010; CN 95195872 A 19951010; DE 4438294 A 19941026; DE 59504652 T 19951010; DE 9501398 W 19951010; EP 95934051 A 19951010; JP 51422696 A 19951010; KR 19970702716 A 19970425