

Title (en)

Electrodeless high intensity discharge lamp having a boron sulfide fill

Title (de)

Elektrodenlose Hochleistungsentladungslampe mit einer Borsulfid enthaltende Füllung

Title (fr)

Lampe à décharge de haut intensité sans électrode comportant un remplissage au sulfure de bore

Publication

**EP 0788140 A3 19971112 (EN)**

Application

**EP 97100888 A 19970121**

Priority

US 59547596 A 19960201

Abstract (en)

[origin: EP0788140A2] An electrodeless high intensity discharge lamp including a sealed light-transmissive lamp envelope, a volatilizable chemical fill and an inert gas or nitrogen within the envelope. The primary active component of the fill is boron sulfide. The inert gas or nitrogen within the envelope assists in starting the lamp, and is at subatmospheric pressure. The lamp envelope is coupled to a high frequency power source to produce a light emitting plasma discharge within the envelope. <IMAGE>

IPC 1-7

**H01J 61/16**; **H01J 65/04**

IPC 8 full level

**H05B 41/24** (2006.01); **H01J 61/16** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP)

**H01J 61/16** (2013.01); **H01J 65/042** (2013.01)

Citation (search report)

- [DA] US 4672267 A 19870609 - LAPATOVICH WALTER P [US], et al
- [DA] EP 0271911 A2 19880622 - GTE LABORATORIES INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 202 (C - 129) 13 October 1982 (1982-10-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 178 (C - 034) 10 December 1980 (1980-12-10)
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 178 (C - 034) 10 December 1980 (1980-12-10)

Cited by

US2015114547A1; US8702465B2

Designated contracting state (EPC)

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**EP 0788140 A2 19970806**; **EP 0788140 A3 19971112**; **EP 0788140 B1 20010905**; CA 2196361 A1 19970802; DE 69706453 D1 20011011; DE 69706453 T2 20020606; JP H09213282 A 19970815

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