

Title (en)  
High-pressure discharge lamp and method for its manufacture.

Title (de)  
Hochdruckentladungslampe und Verfahren zu ihrer Herstellung.

Title (fr)  
Lampe à décharge à haute pression et procédé pour sa fabrication.

Publication  
**EP 0230051 A1 19870729 (DE)**

Application  
**EP 86118071 A 19861224**

Priority  
DE 3600991 A 19860115

Abstract (en)  
[origin: US4754195A] To improve the high-voltage flash-over characteristics of high-pressure discharge lamps (1), and especially to prevent flash-over between terminal leads emanating from the lamp bulb and extending into a lamp base (14), the lamp base which is formed with a cup-shaped opening (13) has an insert pad (18) placed therein of fibrous web, pile, fleece or mat material, made of ceramic, quartz or glass fibers. In manufacture, the fibers are compressed, thereby fitting tightly against the terminal end, typically a pinch or press seal, of the discharge lamp bulb, and thereby substantially increasing the high voltage flash-over resistance between the terminal leads and permitting hot re-ignition of the lamp, which may require pulses of between 15 to 20 kV.

Abstract (de)  
Hochdruckentladungslampe (1), insbesondere Metallhalogenidlampe, bei der sich zwischen dem Lampengefäß (9) und dem Sockel (14) eine Zwischenlage (18) befindet, die aus einem Material hoher Temperatur- und Durchschlagsfestigkeit besteht. Die Zwischenlage (18) besteht insbesondere aus einem Faserflor (19).

IPC 1-7  
**H01J 61/84**; **H01B 3/50**; **H01J 9/24**

IPC 8 full level  
**H01J 9/34** (2006.01); **H01B 3/50** (2006.01); **H01J 9/24** (2006.01); **H01J 61/35** (2006.01); **H01J 61/36** (2006.01); **H01J 61/82** (2006.01); **H01J 61/84** (2006.01)

CPC (source: EP US)  
**H01J 9/247** (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US)

Citation (search report)  

- US 4243907 A 19810106 - FLEMING RAYMOND T [US], et al
- EP 0160316 A2 19851106 - GTE PROD CORP [US]
- US 3934067 A 19760120 - GOLDMAN IRA BERNARD, et al
- DD 227823 A1 19850925 - SPRELA WERKE SPREMBERG VEB [DD]
- DE 2901890 A1 19800717 - MICAFIL AG
- PATENT ABSTRACTS OF JAPAN, unexamined applications, E Sektion, Band 9, Nr. 280, 8.November 1985 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 129 E 356 & JP-A-60-124 346 (mitsubishi denki)

Cited by  
EP0403211A3; GB2232812A

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