

Title (en)  
METAL HALIDE LAMP

Title (de)  
METALLHALOGENLAMPE

Title (fr)  
LAMPE AUX HALOGÉNURES MÉTALLISÉS

Publication  
**EP 2894656 B1 20170405 (EN)**

Application  
**EP 13835040 A 20130814**

Priority  
• JP 2012198315 A 20120910  
• JP 2013071927 W 20130814

Abstract (en)  
[origin: EP2894656A1] A mercury-free metal halide lamp for a vehicle includes a light emitting section that has a discharge space inside; a light emitting tube that includes a pair of seal sections formed on both sides of the light emitting section; metal halide and an inert gas enclosed in the discharge space; and a pair of electrodes that is provided so that one end sides thereof are sealed in the seal sections and the other end sides thereof face each other in the discharge space. In addition, electric power of 23 W to 27 W is supplied between the pair of electrodes during stable lighting. The discharge space includes a cylindrical section, and a pair of cone-shaped sections which are formed on both end sections of the cylindrical section and of which diameters decrease in a direction from the cylindrical section to the seal portions. Then, when a thickness of a maximum outer diameter section of the light emitting section is d1, and a thickness of the light emitting section between a point on the cone-shaped section when a perpendicular line is drawn from a boundary point between the light emitting section and the seal section to the cone-shaped section, and the boundary point is d2,  $1.6 \text{ mm} \leq d1 \leq 1.8 \text{ mm}$ , and  $0.75 \leq d2/d1 \leq 0.95$  are satisfied.

IPC 8 full level  
**H01J 61/88** (2006.01); **H01J 61/12** (2006.01); **H01J 61/30** (2006.01); **H01J 61/33** (2006.01); **H01J 61/82** (2006.01); **H01J 61/86** (2006.01)

CPC (source: CN EP)  
**H01J 61/125** (2013.01 - EP); **H01J 61/30** (2013.01 - CN EP); **H01J 61/33** (2013.01 - EP); **H01J 61/827** (2013.01 - CN EP)

Cited by  
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DOCDB simple family (publication)  
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**EP 13835040 A 20130814**; CN 201380029602 A 20130814; JP 2012198315 A 20120910; JP 2013071927 W 20130814