

Title (en)

Heater lamp and heating module using the heater lamp

Title (de)

Heizlampe und Heizmodul mit der Heizlampe

Title (fr)

Lampe chauffante et module de chauffage l'utilisant

Publication

EP 2849206 A1 20150318 (EN)

Application

EP 14160402 A 20140318

Priority

JP 2013190488 A 20130913

Abstract (en)

A heater lamp (110, 111) includes a light-emitting tube (10), a filament (20) and a filler gas. The light-emitting tube (10) includes a bent part (14, 15) and is light transmissive. The filament (20) is provided in an inside space (30) of the light-emitting tube (10). The filler gas is filled in the space (30), and includes bromine, nitrogen, and a noble gas including at least one of argon, krypton and xenon. A lamp input power (Wa) per unit length supplied to the filament (20) is 70 W/cm or more. A nitrogen gas volume concentration Cv to the noble gas is 1 vol% or more and 30 vol% or less.

IPC 8 full level

H01K 1/50 (2006.01); **H01K 1/28** (2006.01); **H05B 3/00** (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)

H01K 1/28 (2013.01); **H01K 1/50** (2013.01); **H05B 3/44** (2013.01); **H05B 2203/032** (2013.01)

Citation (search report)

- [Y] JP 2003077624 A 20030314 - USHIO ELECTRIC INC
- [Y] US 4524302 A 19850618 - BERLEC IVAN [US]
- [Y] JP H07320700 A 19951208 - USHIO ELECTRIC INC
- [Y] US 5101138 A 19920331 - LOSONCZI ZOLTAN [HU], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2849206 A1 20150318; CN 104470007 A 20150325; JP 2015056345 A 20150323

DOCDB simple family (application)

EP 14160402 A 20140318; CN 201410100925 A 20140318; JP 2013190488 A 20130913