Title (en)

CERAMIC METAL HALIDE LAMP

Title (de)

KERAMISCHE METALLHALOGENLAMPE

Title (fr)

LAMPE AUX HALOGÉNURES EN CÉRAMIQUE

Publication

EP 2881968 A4 20160427 (EN)

Application

EP 13826125 A 20130704

Priority

- JP 2012173201 A 20120803
- JP 2013068356 W 20130704

Abstract (en)

[origin: EP2881968A1] Provided is a ceramic metal halide lamp that is favorable for illuminating fresh foods in the manner of a high-chroma, high-color-rendering, high-pressure sodium lamp. A method for producing the ceramic metal halide lamp, which has a light-emitting tube formed from a translucent ceramic in which are sealed a starting noble gas, mercury, and an additive, and a translucent outer tube that houses the light-emitting tube, contains: a wavelength region splitting step for splitting the wavelength region (380-780 nm) of visible light into the four wavelength regions of a violet-blue color system, a green color system, a yellow color system, and an orange-red color system; and an additive setting step for setting the composition and amount added of the additive in a manner so that the ratio of the integrated value of the energy strength of light from the light-emitting tube calculated for each of the four wavelength regions is 6 ± 3 : 18 ± 5 : 6 ± 3 : 70 ± 11 (where the total value is 100).

IPC 8 full level

H01J 61/12 (2006.01); **H01J 61/82** (2006.01); H01J 61/34 (2006.01)

CPC (source: EP)

H01J 61/125 (2013.01); **H01J 61/34** (2013.01); **H01J 61/827** (2013.01)

Citation (search report)

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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

DOCDB simple family (publication)

EP 2881968 A1 20150610; **EP 2881968 A4 20160427**; JP 2014032875 A 20140220; JP 5370878 B1 20131218; WO 2014021049 A1 20140206

DOCDB simple family (application)

EP 13826125 A 20130704; JP 2012173201 A 20120803; JP 2013068356 W 20130704