

Title (en)

ELECTRODE STRUCTURE FOR ELECTRON EMISSION, DISCHARGE LAMP, AND DISCHARGE LAMP APPARATUS

Title (de)

ELEKTRODENSTRUKTUR FUR ELEKTRONENEMISSION, ENTLADUNGSLAMPE UND ENTLADUNGSLAMPENAPPARAT

Title (fr)

STRUCTURE D'ELECTRODE POUR EMISSION ELECTRONIQUE, LAMPE A DECHARGE ET APPAREIL A LAMPE A DECHARGE

Publication

EP 0964429 A4 20010321 (EN)

Application

EP 98963650 A 19981228

Priority

- JP 9806016 W 19981228
- JP 36118197 A 19971226
- JP 8750098 A 19980331
- JP 15627098 A 19980604

Abstract (en)

[origin: EP0964429A1] This is an electron emission electrode structure that can shorten the transition time from glow discharge to arc discharge and, at the same time, stabilise the arc discharge and prevent reduction of electrode life and blackening of the tube inner wall, together with a discharge lamp that uses this electrode structure and a discharge lamp device in which this discharge lamp is installed. It is electron emission electrode structure 3A that is composed of electron emitter 5, made of an aggregate of granules 51, ..., that emits thermal electrons from an exposed surface when heated by a discharge, and a discharge focussing means that is in the close vicinity of, or in contact with, the above exposed surface of electron emitter 5 and focuses the discharge on the above exposed surface, together with discharge lamp 1 that uses electrode structure 3A and discharge lamp device 9 in which discharge lamp 1 is installed. <IMAGE>

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CPC (source: EP KR)

H01J 61/04 (2013.01 - KR); **H01J 61/0672** (2013.01 - EP); **H01J 61/0677** (2013.01 - EP)

Citation (search report)

- [XY] PATENT ABSTRACTS OF JAPAN vol. 006, no. 123 (E - 117) 8 July 1982 (1982-07-08)
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 087 (E - 108) 25 May 1982 (1982-05-25)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03 29 March 1996 (1996-03-29)
- See references of WO 9934402A1

Cited by

DE102011016363B4; DE102009055123A1; US8581493B2; WO2004025692A1

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