

Title (en)

STRUCTURE OF SEALING PART OF ARC TUBE AND METHOD OF MANUFACTURING THE SAME.

Title (de)

STRUKTUR VON ABTICHTUNGSTEIL EINER BOGENRÖHRE UND VERFAHREN ZUR HERSTELLUNG DERSELBEN.

Title (fr)

STRUCTURE DE LA PARTIE DE SCELLEMENT D'UN TUBE A DECHARGE ET PROCEDE DE FABRICATION.

Publication

EP 0650184 A1 19950426 (EN)

Application

EP 93914987 A 19930709

Priority

- JP 9300959 W 19930709
- JP 20609292 A 19920709
- JP 32367692 A 19921109
- JP 2868293 A 19930125

Abstract (en)

A structure of the sealing part of a discharge lamp, in which an open end of a bulb is sealed with a closing body having a core part constituting an electrode. The composition component of the closing body is the one which has substantially the same thermal expansion coefficient as that of the bulb in the region on the bulb side adjacent to the open end of the bulb, and also, has substantially the same thermal expansion coefficient as that of the core in the region on the core side adjacent to the core part. The component in the intermediate region between the bulb and core sides is adjusted so that it has a thermal expansion coefficient which gradually changes from that of the bulb side region to that of the core side region. The bulb region side and the core region side are separated by the intermediate region to form the independent bulb side region layer and the core side region layer, respectively. The intermediate region is structured with at least one layer having a thermal expansion coefficient gradually changing from that of the bulb side region to that of the core side region. Preferably, the thickness of the layers of the closing body gradually increase from the bulb side region to the core side region. <IMAGE>

IPC 1-7

H01J 61/36; **H01J 9/26**

IPC 8 full level

H01J 9/26 (2006.01); **H01J 61/30** (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP)

H01J 9/266 (2013.01); **H01J 61/302** (2013.01); **H01J 61/363** (2013.01); **H01J 61/366** (2013.01); **H01J 61/82** (2013.01)

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Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

WO 9401884 A1 19940120; AU 4514593 A 19940131; CA 2139839 A1 19940120; DE 69331991 D1 20020711; DE 69331991 T2 20020919; EP 0650184 A1 19950426; EP 0650184 A4 19970507; EP 0650184 B1 20020605; JP 3456212 B2 20031014; KR 100303570 B1 20011201

DOCDB simple family (application)

JP 9300959 W 19930709; AU 4514593 A 19930709; CA 2139839 A 19930709; DE 69331991 T 19930709; EP 93914987 A 19930709; JP 50317694 A 19930709; KR 19940704872 A 19941230