

Title (en)

Mercury amalgam for high temperatures in discharge lamps

Title (de)

Quecksilberamalgame für erhöhte Temperaturen in Entladungslampen

Title (fr)

Amalgame de mercure pour des températures élevées dans les lampes à décharge

Publication

EP 1586670 A3 20080116 (DE)

Application

EP 05007433 A 20050405

Priority

DE 102004018105 A 20040414

Abstract (en)

[origin: EP1586670A2] Mercury amalgam comprises a mercury amount and a master alloy having the formula: In a-eX bY cZ dR e (where X = Ag, Cu or Sn; Y = Pb or Zn; Z = Ni or Te; R = Bi, Sb or Ga; a = 70-98%; b = 25%; c = 25%; d = 10%; and e = 15%).

IPC 8 full level

C22C 28/00 (2006.01); **H01J 61/28** (2006.01); **H01J 61/20** (2006.01); **H01J 61/72** (2006.01)

CPC (source: EP US)

C22C 28/00 (2013.01 - EP US)

Citation (search report)

- [X] JP S6366840 A 19880325 - TOSHIBA CORP
- [A] BLOEM J ET AL: "SOME NEW MERCURY ALLOYS FOR USE IN FLUORESCENT LAMPS", JOURNAL OF THE ILLUMINATING ENGINEERING SOCIETY, ILLUMINATING ENGINEERING SOCIETY. NEW YORK, US, vol. 6, no. 3, 1 April 1977 (1977-04-01), pages 141 - 147, XP000615021, ISSN: 0099-4480

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

EP 1586670 A2 20051019; **EP 1586670 A3 20080116**; CA 2504579 A1 20051014; DE 102004018105 A1 20051110; JP 2005302731 A 20051027; US 2005231095 A1 20051020; US 7408295 B2 20080805

DOCDB simple family (application)

EP 05007433 A 20050405; CA 2504579 A 20050412; DE 102004018105 A 20040414; JP 2005116519 A 20050414; US 10282005 A 20050411