

Title (en)
COMPOUND HID ELECTRIC ARC TUBE

Title (de)
ZUSAMMENGESETZTE ELEKTRISCHE HID-BOGENRÖHRE

Title (fr)
TUBE À ARC ÉLECTRIQUE HID COMPOSÉ

Publication
EP 2284861 A4 20111026 (EN)

Application
EP 08783509 A 20080711

Priority
• CN 2008001304 W 20080711
• CN 200810097227 A 20080505

Abstract (en)
[origin: WO2009135345A1] A compound HID electric arc tube includes a discharge tube and two lead-out tubes. The discharge tube has an envelope of blown melted quartz glass or Vycor-type quartz glass with a semitranslucent polycrystalline aluminum oxide (PCA) layer applied to the inside surface thus forming a double-layer envelope. The lead-out tubes are made of melted quartz glass or Vycor-type quartz glass and, near the two ends of the arc tube, are partially coated on their inside surfaces with a polycrystalline aluminum oxide (PCA) layer. After high temperature sintering of the electric arc tube, a two-stage method is used to seal the electrodes. A glass solder seal is used in the first section of the lead-out tube having the inner coating of PCA, and a molybdenum foil press seal is used to seal the quartz glass second section.

IPC 8 full level
H01J 61/00 (2006.01); **H01J 61/35** (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP)
H01J 61/35 (2013.01); **H01J 61/366** (2013.01)

Citation (search report)
• [X] US 5897754 A 19990427 - FUJII KENICHI [JP], et al
• [X] GB 1187100 A 19700408 - GEN ELECTRIC & ENGLISH ELECT [GB]
• [A] US 5789850 A 19980804 - IWAFUJI YASUHIRO [JP], et al
• See references of WO 2009135345A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009135345 A1 20091112; EP 2284861 A1 20110216; EP 2284861 A4 20111026; EP 2284861 B1 20121031; JP 2011520225 A 20110714; JP 5281151 B2 20130904; KR 101430289 B1 20140814; KR 20110021846 A 20110304

DOCDB simple family (application)
CN 2008001304 W 20080711; EP 08783509 A 20080711; JP 2011507771 A 20080711; KR 20107027228 A 20080711