

Title (en)  
COMPOUND HID ELECTRIC ARC TUBE

Title (de)  
ZUSAMMENGESETZTE ELEKTRISCHE HID-BOGENRÖHRE

Title (fr)  
TUBE À ARC ÉLECTRIQUE HID COMPOSÉ

Publication  
**EP 2284861 B1 20121031 (EN)**

Application  
**EP 08783509 A 20080711**

Priority  
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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  
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