

Title (en)

Improved metal halide lamp and lighting systems particularly suitable for architectural lighting.

Title (de)

Metallhalogenidlampe und Beleuchtungssysteme speziell geeignet für architektonische Beleuchtung.

Title (fr)

Lampe à halogène métallique et systèmes d'illumination surtout fait pour illumination architectonique.

Publication

EP 0159620 A2 19851030 (EN)

Application

EP 85104348 A 19850410

Priority

US 60188884 A 19840419

Abstract (en)

A metal halide lamp having a relatively high anticipated life and particularly suitable for architectural lighting is disclosed. The metal halide lamp has a double-ended arc tube serving as its light source. The arc tube has a halogen gas formed from vaporized metal halides along with a mercury vapor. The amount of mercury contained in the arc tube is selected to effectively establish an A.C. operating voltage in the range of about 100 volts to about 150 volts. The metal halide develops a vapor during the operation of the arc tube. The halide is selected from the group of metals consisting of sodium, scandium, thorium, and mixtures thereof. The halide is further selectable as a compound cadmium iodide. Further disclosed are various embodiments of illuminating lighting systems that provide beam patterns particularly suitable for illuminating a limestone building.

IPC 1-7

H01J 61/12; **H01J 61/82**

IPC 8 full level

F21S 2/00 (2006.01); **H01J 61/12** (2006.01); **H01J 61/20** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)

H01J 61/125 (2013.01); **H01J 61/827** (2013.01)

Cited by

DE10258339A1; EP0320974A3; EP0391283A3; US5138227A; US6844676B2; WO03012823A1; WO03030209A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0159620 A2 19851030; **EP 0159620 A3 19870311**; **EP 0159620 B1 19900620**; DE 3578362 D1 19900726; JP S60253139 A 19851213

DOCDB simple family (application)

EP 85104348 A 19850410; DE 3578362 T 19850410; JP 8270385 A 19850419