

Title (en)

IMPROVED METAL HALIDE LAMP AND LIGHTING SYSTEMS PARTICULARLY SUITABLE FOR ARCHITECTURAL LIGHTING

Publication

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Application

EP 85104348 A 19850410

Priority

US 60188884 A 19840419

Abstract (en)

[origin: EP0159620A2] 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.

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