

Title (en)

PROCESS FOR MANUFACTURING A METAL HALIDE HIGH-PRESSURE DISCHARGE LAMP HAVING A SINGLE PINCH, AND A LAMP MANUFACTURED ACCORDING TO THIS PROCESS

Publication

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Application

EP 86114647 A 19861022

Priority

DE 3537878 A 19851024

Abstract (en)

[origin: US4739220A] To increase the high-voltage resistance of a metal halide high-pressure discharge lamp, the external leads (6, 6', 6'') are spaced wider apart than previously at their exit point from a pinch seal (3', 23', 23''). To facilitate manufacture, and to permit the widened spacing of the electrodes, the lamp portion (3) which will form the pinch seal is pre-heated in a first step and deformed into elongated oval cross section, leaving enough space to introduce a subassembly formed of the electrode connecting leads (6), internal electrodes (7) and molybdenum sealing foils (9); the sealing foils (9) may then already be located with a spacing which is increased with respect to spacing usually customary in the prior art. The external connecting leads (6) are secured to the sealing foils (9) so that attachment points extend at right angle to the sealing foils; the attachment leads can be angled within the press seal (FIG. 1e) or the angled portions of the connecting leads (6') can extend through lateral slits formed in the press seal outside of the lamp, to be then angled off (FIG. 2b) or to extend laterally (FIG. 2c) from the pinch or press seal (3', 23', 23'').

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CPC (source: EP US)

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Citation (search report)

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