

Title (en)
SINGLE ELECTRODE BEAM MODE FLUORESCENT LAMP FOR D.C. USE

Publication
EP 0084268 A3 19840502 (EN)

Application
EP 82307012 A 19821231

Priority
US 33704782 A 19820104

Abstract (en)
[origin: EP0084268A2] The lamp shown herein is a beam mode fluorescent lamp for general lighting applications. The lamp comprises a light transmitting envelope (31), having a phosphor coating (37) on its inner surface, enclosing a single electrode (29) including a thermionic cathode (34) for emitting electrons and an integral anode (35) for accelerating the electrons and forming an electron beam, and a fill material, such as mercury, which emits ultraviolet radiation upon excitation. The electrode configuration provides for use of a single power source and minimal number of power leads. In addition, a separate cathode heater filament is not required.

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H01J 61/72; H01J 63/00

IPC 8 full level
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CPC (source: EP)
H01J 61/72 (2013.01); **H01J 63/00** (2013.01)

Citation (search report)
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• [Y] US 2774918 A 19561218 - EUGENE LEMMERS
• [A] US 3369143 A 19680213 - GILMORE JOHN F, et al
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Designated contracting state (EPC)
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