

Title (en)  
LOW ENERGY STARTING AID FOR HIGH INTENSITY DISCHARGE LAMPS

Publication  
**EP 0049466 B1 19870603 (EN)**

Application  
**EP 81107750 A 19810929**

Priority  
US 19378680 A 19801002

Abstract (en)  
[origin: EP0049466A2] A light source, including a high pressure discharge lamp (10) and a starting pulse generator, such as a spiral line pulse generator (12), utilizes a generally straight elongated conductor (20), or starting aid, in close proximity to an outer surface of the discharge tube (22) to provide efficient coupling of the starting pulse to the discharge lamp (10). The starting aid (20) extends between a region proximate one of the electrodes (24) and a region proximate the other of the electrodes (24). The starting aid (20) provides within the discharge lamp (10) an ionization path of minimum length free of circumferential turns when the conductor (20) is energized by the pulse generator (12). The starting aid (20) can be affixed to the discharge tube (22) or can be mounted in one or more support brackets.

IPC 1-7  
**H01J 61/54**; **H05B 41/30**

IPC 8 full level  
**H01J 61/54** (2006.01); **H05B 41/18** (2006.01); **H05B 41/30** (2006.01)

CPC (source: EP)  
**H01J 61/547** (2013.01); **H05B 41/30** (2013.01)

Citation (examination)  
EP 0002848 A1 19790711 - PHILIPS NV [NL]

Cited by  
DE19631188A1; US6008583A; EP0822577A3

Designated contracting state (EPC)  
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**EP 0049466 A2 19820414**; **EP 0049466 A3 19820915**; **EP 0049466 B1 19870603**; AR 230350 A1 19840301; CA 1167973 A 19840522; DE 3176240 D1 19870709; JP S5788695 A 19820602

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**EP 81107750 A 19810929**; AR 28693281 A 19810930; CA 386715 A 19810925; DE 3176240 T 19810929; JP 15493081 A 19811001