

Title (en)

Electronic circuit for detecting filament wear of gas discharge lamps

Title (de)

Elektronische Schaltung zur Detektion des Wendelbruchs bei Gasentladungslampen

Title (fr)

Circuit électronique pour détecter l'usure des filaments de lampes à décharge

Publication

**EP 1189487 B1 20071107 (DE)**

Application

**EP 01118281 A 20010730**

Priority

DE 10046443 A 20000918

Abstract (en)

[origin: EP1189487A2] A DC portion of a coupling capacitor (C5) is analyzed by means of a helix. If the helix fractures, then a cut-off is triggered. An AC portion of a generator output (O) can be monitored by means of a second helix and consequently, if the second helix fractures, then a cut-off can also be triggered. Between two DC connectors (DC+,DC-) there is a series circuit of two semi-conductor switches (T6,T7) run as MOSFET switches.

IPC 8 full level

**H05B 37/03** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)

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