

Title (en)
BALLAST FOR A DISCHARGE LAMP

Publication
EP 0050131 B1 19840704 (DE)

Application
EP 81900979 A 19810414

Priority
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• DE 3029672 A 19800805

Abstract (en)
[origin: WO8103102A1] Discharge lamps are often connected to the AC network through an inverter and a rectifier, the inverter operating at a frequency of at least 10 kHz. It is possible in this way to maintain the necessary inductance for limiting the low current and at the same time to obtain a high lighting efficiency. However, with this system, the shape of the current extracted from the network differs very much from the sinusoidal shape. In order to avoid this disadvantage the extraction of current has already been controlled by means of a two-state rectifier receiving the half-wave of the network as an order value and the lamp current has an effective value. With this ballast the resulting modulation of the lamp voltage with the network voltage is avoided.

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H05B 41/29

IPC 8 full level
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Cited by
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WO 8103102 A1 19811029; EP 0050131 A1 19820428; EP 0050131 B1 19840704; FI 69540 B 19851031; FI 69540 C 19860210; FI 811179 L 19811016; IT 1137447 B 19860910; IT 8121036 A0 19810410

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