

Title (en)
Supply for discharge lamps

Title (de)
Versorgung für Entladungslampe

Title (fr)
Alimentation pour lampe à décharge

Publication
EP 1045621 A1 20001018 (EN)

Application
EP 00201246 A 20000405

Priority
IT MI990774 A 19990414

Abstract (en)
An autotransformer (10) has a first output (10a) for a starting voltage and a second output (10b) for a working voltage lower than the starting voltage. The switching contacts (12) of a relay (24) connect a load of lamps (14) selectively to the first output or the second output of the autotransformer. A timer (T) is reset and started when it receives an input signal and activates a driver circuit (21) of the relay (24) when it reaches a predetermined count. To ensure a lower electrical-energy consumption and a reliable supply to the lamps even in the presence of conditions unfavourable to the maintenance of the operative state, a current detector (15) and a voltage detector (19) are provided, as well as comparators (18, 20) for resetting and restarting the timer (T) when the current absorbed by the lamp or the supply voltage of the lamps fall below respective predetermined values.
<IMAGE>

IPC 1-7
H05B 41/36

IPC 8 full level
H05B 41/18 (2006.01); **H05B 41/38** (2006.01)

CPC (source: EP)
H05B 41/18 (2013.01); **H05B 41/382** (2013.01)

Citation (search report)
• [X] US 4434388 A 19840228 - CARVER LEROY J [US], et al
• [PA] GB 2337644 A 19991124 - MACKWELL ELECTRONICS LIMITED [GB]
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 424 (E - 1410) 6 August 1993 (1993-08-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 186 (E - 084) 25 November 1981 (1981-11-25)

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