

Title (en)
Starter for discharge lamps

Title (de)
Starter für Entladungslampen

Title (fr)
Dispositif d'amorçage pour l'alimentation de lampes à arc

Publication
EP 0933978 A1 19990804 (FR)

Application
EP 99420022 A 19990128

Priority
FR 9801085 A 19980130

Abstract (en)
The system uses a step-up transformer for temporary high voltage to start the discharge lamp. The starting circuit for an arc lamp (5) which is to be operated by a high-frequency electronic generator (1,3) comprises a control circuit (10) for a high-voltage transformer (8). The transformer has a secondary winding (7) which is connected in series in the supply circuit for the lamp. Further components (12,14,15,16) are arranged to short circuit the secondary when the supply current for the lamp attains a predetermined value. This short-circuiting system includes a relay (14) with its contacts (15) placed in a short circuit with the secondary. This is linked to a current transformer detecting the lamp current and to a DC voltage source (VA).

Abstract (fr)
Dispositif d'amorçage d'une lampe à arc (5) en vue de son alimentation par un générateur électronique à haute fréquence (1,3), caractérisé en ce qu'il comporte un circuit de commande (10) d'un transformateur (8) à haute tension dont l'enroulement secondaire (7) est connecté en série dans le circuit d'alimentation de la lampe et des moyens (12,14,15,16) pour court-circuiter ledit secondaire (7) lorsque le courant (I) d'alimentation de la lampe atteint une valeur prédéterminée. <IMAGE>

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H05B 41/04

IPC 8 full level
H05B 41/04 (2006.01)

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H05B 41/042 (2013.01)

Citation (search report)

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