

Title (en)
ARRANGEMENT FOR GENERATING THE IGNITION VOLTAGE FOR THYRISTORS

Title (de)
ANORDNUNG ZUR ERZEUGUNG DER ZÜNDSPANNUNG FÜR THYRISTOREN

Title (fr)
DISPOSITIF POUR LA PRODUCTION DE LA TENSION D'AMOR AGE POUR DES THYRISTORS

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Application
EP 93909651 A 19930519

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• AT 106092 A 19920522

Abstract (en)
[origin: WO9324943A1] It is the aim of the invention to produce an arrangement for easy ignition voltage generation ensuring great reliability. The pulse generator (22) is fitted with two ignition coils (2a, 2b) and a permanently-magnetised rotor (4). The rotor spindle (12) is coupled to the spring-loaded drive (5), which also actuates the switch contact (8), by a converter (7). A pair of thyristors (10, 11) connected in anti-parallel is connected in parallel to the switching contact (8). When the spring-loaded drive (5) is tensioned for opening the switching contact (8), the converter (7) is also actuated which causes the rotor (4) of the pulse generator (22) to effect a rotation. The rotor (4) moving in the air gap (13) causes a change in inductance and the production of a voltage pulse in the ignition coils (2a, 2b). These pulses are fed to the thyristors (10, 11) to ignite them, resulting in the switching of the load current from contact (8) to the thyristors (10, 11). This arrangement makes it possible to generate an ignition voltage with a precisely defined crossover independently of an outside current source.

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