Title (en)

DEVICE FOR LOW-INDUCTIVE COUPLING OF A GATE TURN-OFF THYRISTOR TO ITS CONTROL DEVICE

Title (de)

VORRICHTUNG ZUR NIEDERINDUKTIVEN ANBINDUNG EINES ABSCHALTBAREN THYRISTORS AN SEINE ANSTEUEREINRICHTUNG

Title (fr)

PROCEDE DE COUPLAGE PEU INDUCTIF D'UN THYRISTOR, BLOCABLE PAR LA GACHETTE, A SON DISPOSITIF DE COMMANDE

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Application

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Abstract (en)

[origin: DE19711965A1] The invention relates to a device for low-inductive coupling of a gate turn-off thyristor (6) to its control device. The gate turn-off thyristor (6) has a gate input in the form of a ring-shaped gate flange (12) and its control device has connections in the form of a conductive baseplate (20). The conductive baseplate (20) is provided with a bore hole (22) corresponding to the gate turn-off thyristor (6). The device is also provided with a counterpiece to the cathode (16) and a ring-shaped spacing member (18). According to the invention, said device further includes several threaded rods (14), a ring-shaped pressure element (24) made of insulating material and several adjusting nuts (26). Said threaded rods (14) are circularly screwed to a cooling plate (2) on the cathode side, said plate accommodating the elements (16, 18, 20, 12, 24) and securing the latter by means of adjusting nuts (26). The inventive device for low-inductive coupling of a gate turn-off thyristor to its control device can thus be obtained, whereby said inventive device also comprises at least one thyristor (6) cooling plate (2, 4) and is easier to assemble.

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