

Title (en)

Inductive-voltage transformer for a fully insulated, metal-enclosed high-voltage switchgear.

Title (de)

Induktiver Spannungswandler für eine vollisolierte, metallgekapselte Hochspannungsschaltanlage.

Title (fr)

Transformateur de tension inductif entièrement isolé pour un appareillage de commutation à haute tension à enveloppe métallique.

Publication

EP 0041917 A2 19811216 (DE)

Application

EP 81730049 A 19810514

Priority

DE 8014832 U 19800530

Abstract (en)

1. An inductive voltage transformer for a fully insulated, metal-encased high voltage switch-gear comprising a vessel (1) which can be flangedly attached to the metal casing of the switch-gear, and in which the active system (2) of the voltage transformer is located, and a high voltage supply line (24) terminates, characterized in that within the vessel (1), there is arranged a resistance arrangement (6) which extends from the high voltage supply line (24) to the active system ; that the resistance arrangement (6) consists of a column-shaped structure formed of a plurality of composite resistance elements (10) which are held together by means of pressure plates (7, 8) arranged at the ends of the column-shaped structure, one of which pressure plates (7) is attached to the high voltage supply line (24) and the other of which pressure plates (8) is connected to the active system (2).

Abstract (de)

Die Erfindung bezieht sich auf einem in einem Kessel einer vollisolierten, metallgekapselten Hochspannungsschaltanlage untergebrachten induktiven Spannungswandler. Um einen solchen Wandler so zu verbessern, daß er bei anormalen Betriebszuständen mechanische Beschädigungen nicht erfährt, befindet sich im Kessel (1) eine Widerstandseinrichtung (6), die sich von der Hochspannungszuleitung (24) zum aktiven System erstreckt.

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