

Title (en)

A transformer for the measurement of current in high-voltage supply networks

Title (de)

Stromwandler für ein Hochspannungsenergieversorgungsnetz

Title (fr)

Transformateur de courant pour un réseau d'alimentation électrique à haute tension

Publication

**EP 0746002 B1 20000614 (EN)**

Application

**EP 96108463 A 19960528**

Priority

IT MI951143 A 19950601

Abstract (en)

[origin: EP0746002A2] The invention concerns a transformer for the measurement of current in high-voltage networks wherein the shell (7), which compacts in the form of a ring the magnetic cores (6) of the secondary winding, is fixed in its lower part to a central metal tube (20) at the base of the transformer and in its upper part to an insulating tube (22) which centers and keeps taut said elements (22, 7, 20) resulting in advantages both with respect to the construction and for transporation. There are also provided electrodes (28,29) facing one another in order to form a preferential discharge zone in the vicinity of the safety membrane (14) as well as an intermediate shield (36) surrounding the central tube (20) and possibly, in the case of high voltages, a capacitance grading bushing (45) wound around the intermediate shield (36) for a better distribution of the electrical field. <IMAGE>

IPC 1-7

**H01F 38/30**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN103680906A; EP3979267A1; CN105225816A; CN102866281A; CN113899936A; WO0138886A1; US11881330B2

Designated contracting state (EPC)

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