

Title (en)

Current transformer with annular core to be built in a metal cast high-tension switchgear installation

Title (de)

Ringkernstromwandler zum Einbau in eine metallgekapelte Hochspannungsschaltanlage

Title (fr)

Transformateur de courant à noyau annulaire destiné à être monté dans une installation de commutation à haute tension encapsulée en métal

Publication

EP 0668598 B1 19970402 (DE)

Application

EP 94102403 A 19940217

Priority

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Abstract (en)

[origin: EP0668598A1] The transformer has at least one ring core (4,5,6), with a secondary winding (1,2,3), arranged in the capsule (9,10). A primary conductor (7) runs in the opening of the core(s) (4,5,6). An inner tube (11) is arranged between the core (4,5,6) and the primary conductor (7). One end of the tube (11) is electrically connected to the capsule (10). Its other end is separated from the capsule (9) by an insulating gap (14). Its other points are electrically insulated from the capsule (9,10). Each ring core (4,5,6) has its outer coaxial boundary surface on the inner surface of the capsule (9). Each bounding surface extending perpendicular to the longitudinal axis of the conductor (7) and not lying directly on the capsule (9,10), lies on an annular conductive disc (15,16,17,22). The latter is conductively connected with the inner surface of the capsule (9).

IPC 1-7

H01F 38/30

IPC 8 full level

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CPC (source: EP)

H01F 38/30 (2013.01); **H01F 2038/305** (2013.01)

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DOCDB simple family (publication)

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