

Title (en)
High-voltage transformer and use

Title (de)
Hochspannungstransformator sowie Verwendung

Title (fr)
Transformateur à haute tension et utilisation

Publication
EP 0660343 B1 19970723 (DE)

Application
EP 94114266 A 19940910

Priority
DE 4344185 A 19931223

Abstract (en)
[origin: EP0660343A1] High-voltage transformers, in particular for space applications, must comply with special requirements. Their windings (W1, W2) are potted in an insulating compound (IM) for protection against flashovers. In order to avoid in particular glow discharges in critical pressure ranges, that end (1) of the secondary winding (W2) which has little load in terms of the DC potential is designed (SI) to be screened, and this screen (SI) is connected to the potential of that connection end (2) which is loaded more highly in terms of the DC potential. The last winding layer of the secondary winding (W2) then itself acts as a screen. The electrical load on the insulation is minimal, in particular in the critical pressure range (Paschen minimum). <IMAGE>

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H01F 27/36

IPC 8 full level
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