

Title (en)  
High-voltage transformer

Title (de)  
Hochspannungstransformator

Title (fr)  
Transformateur à haute tension

Publication  
**EP 1045407 A1 20001018 (EN)**

Application  
**EP 00106550 A 20000327**

Priority  
• EP 00106550 A 20000327  
• EP 99106932 A 19990408

Abstract (en)  
The high-voltage transformer comprises a core (K), a primary winding (W1), a high-voltage winding (WH) arranged in a coil former (3), and a housing (1), whereat the primary winding (W1) is arranged at the outside of the housing (1). The housing (1) is preferably cylindrical with wall-like juts (2) between which the primary winding (W1) is wound, said juts (2) especially placed at each side of the housing (1). The primary winding (W1) can arranged as a dense winding at the outside of the housing which covers essentially the high voltage winding (WH) to shield the high voltage winding (WH) electrically. Auxiliary windings for providing low supply voltages can be placed also outside together with the primary winding (W1). The transformer comprises only two plastic parts which requires less production steps and less material. Because primary and auxiliary windings are placed outside the housing the volume of the housing is much reduced and therefore much less resin is required to fill up the high-voltage transformer. <IMAGE>

IPC 1-7  
**H01F 38/42**; **H01F 27/36**

IPC 8 full level  
**H01F 27/36** (2006.01); **H01F 38/42** (2006.01)

CPC (source: EP US)  
**H01F 27/36** (2013.01 - EP); **H01F 27/363** (2020.08 - EP US); **H01F 38/42** (2013.01 - EP)

Citation (search report)  
• [Y] DE 3822284 A1 19900104 - ELECTRONIC WERKE DEUTSCHLAND [DE]  
• [Y] GB 2197544 A 19880518 - MOSE FRANK CHARLES  
• [A] DE 3741556 A1 19880623 - MITSUBISHI ELECTRIC CORP [JP]  
• [DA] WO 9903118 A1 19990121 - THOMSON BRANDT GMBH [DE], et al

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DE ES FR GB IT

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