

Title (en)  
HIGH VOLTAGE ASSEMBLY

Title (de)  
HOCHSPANNUNGSANLAGE

Title (fr)  
ENSEMBLE À HAUTE TENSION

Publication  
**EP 3196901 A1 20170726 (EN)**

Application  
**EP 16152621 A 20160125**

Priority  
EP 16152621 A 20160125

Abstract (en)  
A high voltage assembly (2), especially a high voltage transformer or a high voltage reactor, is proposed comprising: a metal enclosure (4) containing an active component and being connected to ground potential (3), a high voltage bushing (50) comprising a high voltage conductor (52), the high voltage bushing (50) passing through an opening (6) of the metal enclosure (4). A field forming jacket (8) is arranged inside the metal enclosure (4) to receive at least partly the high voltage bushing (50). The field forming jacket (8) is configured to provide an insulation gap (22) between an inner surface (14) of the field forming jacket (8) and an outer surface (58) of the high voltage bushing (50). The field forming jacket (8) comprises a field forming layer (18) with a first electrical connection (34) to the ground potential (3) and a second electrical connection (40) to a high voltage potential of the high voltage conductor (52).

IPC 8 full level  
**H01F 27/04** (2006.01); **H01B 17/28** (2006.01)

CPC (source: EP)  
**H01F 27/04** (2013.01); **H01B 17/28** (2013.01)

Citation (applicant)  
US 2013240249 A1 20130919 - JAHNEL DIETMAR [DE], et al

Citation (search report)  
• [A] US 5227584 A 19930713 - HOLMSTROEM LARS [SE], et al  
• [A] EP 2431982 A1 20120321 - ABB TECHNOLOGY AG [CH]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3196901 A1 20170726; EP 3196901 B1 20180404**

DOCDB simple family (application)  
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