

Title (en)  
SEmi-capacitance graded bushing insulator of the type with insulating gas filling, such as SF6

Title (de)  
Durchführungsisolator mit Halbkapazitätsgradienten und mit Isoliergasfüllung, wie SF6

Title (fr)  
Traversée - isolateur, calibrée à semi-capacité, remplie de gaz isolant, comme le SF6

Publication  
**EP 1103988 A2 20010530 (EN)**

Application  
**EP 00107732 A 20000411**

Priority  
IT MI992481 A 19991126

Abstract (en)  
A semi-capacitance graded bushing comprises a conductor (1) fixed in the upper part to a plate (2) of the head (3) and in the lower part by way of a movable contact (4) to the fixed electrode (5) of the gas-insulated bus-duct (6), an insulating capacitance body (7) formed by a winding of insulating material in which are inserted the conductive or semiconductive foils (8), and a tube (9) which is prolonged with respect to the insulating capacitance body (7) to function as an electrode which is duly screened with end rings (10), the insulating capacitance body (7) being supported by the flange (11) which is fixed with respect to the external porcelain (12) by way of a cemented collar (13). A glass fibre-reinforced resin tube (14) is disposed in the interior of the porcelain (12). The whole assembly is filled with insulating gas under pressure, generally SF6. The capacitance, having as armatures the conductor (1) and the electrode (9) and as dielectric the gas, is in cascade relationship with the capacitance of the insulating capacitance body (7). <IMAGE>

IPC 1-7  
**H01B 17/28**

IPC 8 full level  
**H01B 17/28** (2006.01)

CPC (source: EP)  
**H01B 17/28** (2013.01)

Cited by  
CN109559861A; EP1816660A4; EP3989242A1; EP1624311A1; KR20160098525A; RU2638298C1; CN112530645A; WO2015117823A1; WO2006001724A1; WO2022084082A1; US9552907B2

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