

Title (en)

Power supply arrangement for indicating device for supply voltage indication of medium voltage switch gear.

Title (de)

Anordnung zur Spannungsversorgung einer Anzeigevorrichtung für die Anzeige einer anliegenden Netzspannung bei einer Mittelspannungs-Schaltanlage.

Title (fr)

Dispositif d'alimentation en courant d'un dispositif d'indication pour indiquer la tension du réseau d'une installation de distribution à moyenne tension.

Publication

EP 0400491 B1 19950104 (DE)

Application

EP 90109928 A 19900525

Priority

DE 3917862 A 19890601

Abstract (en)

[origin: EP0400491A2] In a power supply arrangement of an indicator device for indicating an applied supply voltage for medium-voltage switch gear, a capacitive divider element is used, to which the supply line is applied at a defined distance, which is formed in the insulating material of a supporting device for a supply line or in the insulating material encapsulation of a supply line of the switch gear and which supplies the indicating device with an adequate operating voltage. This arrangement is characterised in that the capacitive divider element is constructed in the form of an electrode (23) consisting of a semiconducting plastic material having an expansion coefficient which is equal to, or at least approximately equal to, that of the insulating material (21) of the supporting device (20) or of the insulating material encapsulation. From this electrode there emerges at least one formed projection (24) or support (34, 35), used as a voltage pick-off, which is guided out of the surrounding insulating material and at the same time forms a support or holder for the electrode during the process of manufacturing the supporting device. <IMAGE>

IPC 1-7

G01R 15/06; **H01B 17/42**; **H01B 17/00**

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CPC (source: EP)

H01B 17/005 (2013.01); **H01B 17/42** (2013.01)

Cited by

FR2788369A1; EP1022749A1; US5726390A; AU739656B2; EP0854487A3; DE102004035176A1; DE102004035176B4; US8471572B2; WO0042623A1; WO2009153823A1; WO9417535A1; WO2006008265A1; EP1769513B1

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