

Title (en)

Bushing for gas-insulated electrical equipment.

Title (de)

Elektrische mit Isoliergas gefüllte Durchführung.

Title (fr)

Traversée électrique remplie de gaz isolant.

Publication

EP 0085966 A1 19830817 (EN)

Application

EP 83101074 A 19830204

Priority

JP 1852582 A 19820205

Abstract (en)

The present invention relates to a bushing for gas-insulated electrical equipment, and consists in a bushing wherein a conductor (1) penetrates through a porcelain tube (7,8) which has a fitting flange (5) connected to one end thereof and wherein main electrodes (3) concentric with the conductor (1) are interposed between layers of an insulating member (2) which insulates an outer periphery of the conductor, wherein an end part of said each main electrode (3) closer to the other end of said porcelain tube (8) is exposed a predetermined length from said insulating member, and wherein annular auxiliary electrode means (12) are electrically connected with said main electrode (3) and the external shape of which having a curved surface is arranged at the exposed end part of said main electrode (3), whereby electric fields near the end part of said main electrode (3) are moderated so as to enhance the dielectric strength of the bushing.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

H01B 17/28 (2013.01)

Citation (search report)

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EP 0085966 A1 19830817; **EP 0085966 B1 19861008**; CA 1210466 A 19860826; DE 3366770 D1 19861113; JP S58135518 A 19830812; KR 840002149 A 19840611; KR 880000078 B1 19880222

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