

Title (en)
Bushing insulator

Title (de)
Isolatorbuchse

Title (fr)
Manchon isolant

Publication
EP 0971378 A1 20000112 (EN)

Application
EP 99112778 A 19990702

Priority
IT PD980076 U 19980709

Abstract (en)
A bushing insulator to be applied between an electrical conductor and a tank of a transformer or another equivalent body, of the type for low voltages (1 to 3 kV and currents from 100 to 6500 A), comprising a part (19) to be exposed to the air which is coupled to a part (29) to be arranged inside the tank; the parts are crossed axially by a tie (15) which acts as an electrical conductor, the part to be exposed to the air comprising, packed on the tie, a hood (22), an annular gasket (23), an external insulating body (24) and a gasket (28) to be arranged between the insulating body and the tank of the transformer at an opening (14) provided therein; the part (29) to be arranged inside the tank comprising an internal insulating body (30) which engages between the external insulating body (24) and a part which is rigidly coupled to the tie; the hood and each one of the external and internal insulating bodies being made of plastics. <IMAGE>

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H01F 27/04; **H01B 17/26**

IPC 8 full level
H01B 17/26 (2006.01); **H01F 27/04** (2006.01)

CPC (source: EP)
H01B 17/265 (2013.01); **H01F 27/04** (2013.01)

Citation (search report)
• [A] EP 0678879 A1 19951025 - PIOCH SA [FR]
• [A] FR 1373721 A 19641002 - MATERIEL ELECTRIQUE S W LE
• [A] DE 3613569 A1 19861023 - POL SA [ES]
• [A] US 3936592 A 19760203 - GAMBLE JAMES R
• [A] DE 8707789 U1 19870716
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 284 (E - 217) 17 December 1983 (1983-12-17)

Cited by
ES2261055A1; CN103413659A; WO03036660A1; WO2004090917A1; WO2008014875A1; TWI416130B

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