

Title (en)
HIGH VOLTAGE ISOLATOR WITH ARC PROTECTION RING

Title (de)
HOCHSPANNUNGSISOLATOR MIT LICHTBOGENSCHUTZRING

Title (fr)
ISOLANT HAUTE TENSION DOTÉ D'UN ANNEAU DE GARDE CONTRE LES ARCS ÉLECTRIQUES

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Application
EP 17808504 A 20171206

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Abstract (en)
[origin: WO2018104353A1] The invention relates to a high-voltage insulator (1) comprising a long rod-type insulator (10) having a shaft (11) and circular shields (12) which are arranged thereon, comprising an insulator cap (2) at the top end of the long rod-type insulator (10) for fastening the high-voltage insulator (1) to a high-voltage mast, and comprising an arc protection ring (3) which surrounds the insulator cap (2) or that portion of the long rod-type insulator (10) which is situated closest to the insulator cap (2), wherein at least the topmost shield (12) of the long rod-type insulator (10), which shield is situated closest to the insulator cap (2), is designed as a protective shield (12') for the other shields (12''), wherein the maximum diameter of the other shields (12'') is at least 30 mm smaller than the inside diameter of the arc protection ring (3), the diameter of the at least one protective shield (12') is at least 10 mm smaller than the inside diameter of the arc protection ring (3), and the diameter of the at least one protective shield (12') is at least 20 mm larger than the maximum diameter of the other shields (12'').

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