

Title (en)

METHOD FOR PRODUCING AN ELECTRIC ISOLATOR

Title (de)

HERSTELLUNGSVERFAHREN FÜR EINEN ELEKTRISCHEN ISOLATOR

Title (fr)

PROCEDE DE PRODUCTION D'ISOLATEURS ELECTRIQUES

Publication

**EP 1114427 A2 20010711 (DE)**

Application

**EP 99950435 A 19990727**

Priority

- DE 9902302 W 19990727
- DE 19835883 A 19980807

Abstract (en)

[origin: DE19835883A1] The present invention relates to a method for producing an electric isolator in which a hydrophobic plasma-polymer coating is applied on the moulded part of the isolator. The plasma-polymer coating is obtained by activating a plasma in a working gas which is non-polar or contains non-polar groups at a working pressure of between  $1 \cdot 10^{-5}$  and  $5 \cdot 10^{-1}$  mbar. The electric power yield per chamber volume ranges from 0.5 to 5 kW/m<sup>3</sup>, while the gas flow per chamber volume ranges from 10 to 1000 sccm/m<sup>3</sup>. It is thus possible to obtain a hydrophobic plasma-polymer coating having a quality that does not depend on the material used for the moulded part.

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**H01B 19/00**

IPC 8 full level

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