

Title (en)

COMPOSITE MATERIAL STRUCTURE PROTECTED AGAINST THE EFFECTS OF LIGHTNING

Title (de)

GEGEN BLITZEINSCHLAG GESCHÜTZTE VERBUNDMATERIALSTRUKTUR

Title (fr)

STRUCTURE EN MATÉRIAUX COMPOSÉE PROTÉGÉE DES EFFETS DE LA FOUDRE

Publication

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Application

EP 09771378 A 20091215

Priority

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Abstract (en)

[origin: WO2010069944A1] The invention relates to a part (1) comprising a structural portion made of an electrically insulating or low-conductive composite material (2), such that a piece containing glass fibres or carbon fibres is protected against the accumulation of electric charges or impact from lightning by a metallisation of the surface to be protected. The metallisation includes a screen (31) of an electrically conductive material covered with a layer of an electrically conductive paint (32). A sizing and priming layer (33) is also provided between the screen and the conductive paint, as well as a finish paint covering the conductive paint (32). The assembly results in a protection against impacts from lightning with a reduced size as compared to traditional metallisations with a metal screen.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2010069944A1

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