

Title (en)

COLOURED CONVERSION LAYERS ON METALLIC SURFACES

Title (de)

FARBIGE KONVERSIONSSCHICHTEN AUF METALLOBERFLÄCHEN

Title (fr)

COUCHES DE CONVERSION COLOREES SUR DES SURFACES METALLIQUES

Publication

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Application

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Abstract (en)

[origin: WO2005116294A1] The invention relates to a chromium-free treatment solution for producing coloured or fluorescent anticorrosive layers on metallic surfaces, said solution containing a) phosphorus acid and/or at least one fluoroacid of at least one element of the group containing B, Si, Ti, Zr and Hf or respectively the anions thereof, and b) at least one organic polymer, said organic polymer carrying covalently bonded, chromophoric or fluorescent groups and being able to bind to the metallic surface by means of oxygen and/or nitrogen atoms. The invention also relates to a method for producing chromophoric or fluorescent anticorrosive layers on metallic surfaces, whereby the metallic surfaces are brought into contact with one such treatment solution. The invention further relates to a metallic element, the surface thereof comprising a coloured or fluorescent anticorrosive layer which is obtained according to said method.

IPC 8 full level

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