

Title (en)

COLOUR CONVERSION LAYERS ON METAL SURFACES

Title (de)

FARBIGE KONVERSIONSSCHICHTEN AUF METALLOBERFLÄCHEN

Title (fr)

COUCHES DE CONVERSION COLORES SUR DES SURFACES METALLIQUES

Publication

**EP 1658392 B1 20070314 (DE)**

Application

**EP 04764202 A 20040817**

Priority

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Abstract (en)

[origin: WO2005021834A1] The invention relates to an aqueous treatment solution for producing colour layers on zinc, aluminium, magnesium or the alloys thereof surfaces having a pH ranging from 1 to 6 and containing a) in total, 4-4000 mg/l hexafluorotitanate and/or hexafluorozirconate ions, b) in total, 10-400 mg/l molybdate and/or tungstate ions calculated in terms of Na-salt, in total, 1-2000 mg/l one or several chelating agents, d) 0.04-40 mg/l copolymer consisting of alkene phosphonic or phosphinic acid and one or several unsaturated carbonic acids. A treatment method for using the inventive solution and the thus treated metal parts are also disclosed.

IPC 8 full level

**C23C 22/44** (2006.01); **C09D 5/08** (2006.01)

CPC (source: EP US)

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Cited by

US10400337B2; US10125424B2; US10435806B2; US10920324B2; US11591707B2

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