

Title (en)

COLOURED CONVERSION LAYERS DEVOID OF CHROME FORMED ON METAL SURFACES

Title (de)

FARBIGE CHROMFREIE KONVERSIONSSCHICHTEN AUF METALLOBERFLÄCHEN

Title (fr)

COUCHES DE CONVERSION COLOREES SANS CHROME FORMEES SUR DES SURFACES METALLIQUES

Publication

**EP 1678345 A1 20060712 (DE)**

Application

**EP 04790238 A 20041009**

Priority

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Abstract (en)

[origin: WO2005047565A1] The invention relates to a method which is used to produce coloured layers on zinc, aluminium, magnesium or alloy surfaces. The surfaces are brought into contact with an aqueous treatment solution which is devoid of chrome, said solution containing, in total, 3 - 35 g/l persulfate ions and/or peroxodisulfate ions and not more than 10 g/l ammonia or ammonium ions, it has a pH value in the region of between 10 - 12 and a temperature in the range of between 30 - 80 DEG C. The surfaces are brought into contact with the treatment solution for a period in the region of 0.5 - 5 minutes and optionally, they are covered with a coating based on organic polymers. The invention further relates to metal parts treated according to said method.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

**C23C 22/60** (2013.01 - EP US); **C23C 22/66** (2013.01 - EP US); **C23C 22/73** (2013.01 - EP US)

Citation (search report)

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