

Title (en)

Coated metal substrate and method of coating a metal substrate.

Title (de)

Überzogenes metallisches Substrat und Verfahren zum Überziehen dieses Substrates.

Title (fr)

Substrat métallique revêtu et procédé de revêtement dudit substrat.

Publication

EP 0074211 A1 19830316 (EN)

Application

EP 82304451 A 19820824

Priority

GB 8126928 A 19810905

Abstract (en)

A non-alloy steel is treated to provide a good keying surface for a solid polymeric or wax coating by heat treatment at 550 to 720 deg C for up to 4 hours in an atmosphere of, eg ammonia and endothermic or exothermic gas, followed by cooling to produce an epsilon iron nitride surface layer. The solid coating adheres tenaciously to the surface layer to give excellent salt spray resistance.

IPC 1-7

C23C 11/14; **B05D 3/10**

IPC 8 full level

B05D 3/10 (2006.01); **B05D 7/14** (2006.01); **C21D 1/72** (2006.01); **C23C 8/04** (2006.01); **C23C 8/32** (2006.01); **C23C 8/80** (2006.01); **C23C 12/00** (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP)

C23C 8/80 (2013.01); **C23C 28/00** (2013.01)

Citation (search report)

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DE FR GB IT

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