

Title (en)
COMPOSITION AND PROCESS FOR COATING METAL SURFACES

Title (de)
MITTEL UND VERFAHREN ZUM BESCHICHTEN VON METALLOBERFLÄCHEN

Title (fr)
COMPOSITION ET PROCÉDÉ POUR REVÊTIR DES SURFACES MÉTALLIQUES

Publication
EP 2106299 A1 20091007 (DE)

Application
EP 07822746 A 20071120

Priority

- EP 2007062572 W 20071120
- DE 102006062500 A 20061228

Abstract (en)
[origin: DE102006062500A1] Composition for coating metal surfaces, based on a crosslinkable polyester resin binder, comprises 4-20 wt.% aluminum flakes and no more than 0.1 wt.% isocyanates. Independent claims are also included for: (1) coating steel strip by contacting the strip with an acid treatment solution that forms a conversion layer containing no more than 1 mg/m² chromium on the steel surface, coating the strip with a composition as above, and curing the coating by infrared irradiation or heating to 120-280[deg] C to form a 3-30 µm thick coating; (2) steel strip coated as above, or a steel sheet or part made from it.

IPC 8 full level
B05D 7/00 (2006.01); **C09D 5/10** (2006.01); **C09D 167/00** (2006.01)

CPC (source: EP KR US)
B05D 7/14 (2013.01 - EP US); **C09D 5/103** (2013.01 - EP US); **C09D 167/00** (2013.01 - EP US); **C09D 175/06** (2013.01 - KR); **C23C 22/83** (2013.01 - EP US); **B05D 3/0263** (2013.01 - EP US); **B05D 7/51** (2013.01 - EP US); **B05D 2252/02** (2013.01 - EP US); **C08K 3/08** (2013.01 - EP US); **C08L 61/20** (2013.01 - EP US); **E06B 9/386** (2013.01 - EP US); **Y10T 428/12049** (2015.01 - EP US)

C-Set (source: EP US)
C09D 167/00 + C08L 2666/16

Citation (search report)
See references of WO 2008080700A1

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