

Title (en)

PROCESS FOR COATING METALLIC SUBSTRATES WITH PLASTIC MATERIALS AND METAL-PLASTIC COMPLEXES THUS OBTAINED

Publication

EP 0059136 A3 19821006 (FR)

Application

EP 82400214 A 19820205

Priority

FR 8103528 A 19810223

Abstract (en)

[origin: EP0059136A2] 1. Process for coating a metal substrate, particularly to produce an anticorrosion covering, according to which a primary layer and at least one layer of plastic are applied to the said substrate, the primary layer comprising a resin chosen from epoxyphenolic resins, mixtures of epoxy resins and phenolic resins and combinations of the said resins and mixtures of resins, while the last layer of plastic material is a layer of polyamide, after which the whole is heated until the outer layer of polyamide melts, the said process being characterised in that the said polyamide is applied continuously in the form of a suspension, in an organic liquid phase, of polyamide powder the particle size of which is below 40 microns, the thickness of the outer layer of polyamide being between 20 and 50 microns, the process being carried out continuously and in a single step.

IPC 1-7

B05D 7/14; **B05D 1/38**

IPC 8 full level

B32B 15/08 (2006.01); **B05D 1/38** (2006.01); **B05D 7/14** (2006.01); **B05D 7/16** (2006.01); **B05D 7/24** (2006.01); **B32B 15/04** (2006.01); **B32B 15/088** (2006.01); **B32B 15/092** (2006.01)

CPC (source: EP)

B05D 7/536 (2013.01); **B05D 2202/00** (2013.01); **B05D 2252/02** (2013.01); **B05D 2252/10** (2013.01); **B05D 2451/00** (2013.01); **B05D 2504/00** (2013.01); **B05D 2505/00** (2013.01)

Citation (search report)

- [Y] FR 2075916 A1 19711015 - BRITISH ALUMINIUM CO LTD
- [Y] GB 2019252 A 19791031 - OAKLAND CORP
- [A] CH 399260 A 19660331 - POLYMER CORP [US]
- [A] GB 2050867 A 19810114 - NISSHIN STEEL CO LTD, et al
- [A] FR 2203859 A1 19740517 - DIAMOND SHAMROCK CORP [US]
- [A] US 3593848 A 19710720 - LANDAU ARTHUR H
- [AD] FR 1602751 A 19710125
- [AD] FR 1601195 A 19700810
- [AD] FR 1601194 A 19700810

Cited by

EP1070553A1; EP2769775A4; EP0411690A1; US5229214A; WO2009149143A1

Designated contracting state (EPC)

BE CH DE GB IT NL SE

DOCDB simple family (publication)

EP 0059136 A2 19820901; **EP 0059136 A3 19821006**; **EP 0059136 B1 19850918**; CA 1179558 A 19841218; DE 3266260 D1 19851024; FR 2500371 A1 19820827; FR 2500371 B1 19830603; JP H0230308 B2 19900705; JP S57156070 A 19820927

DOCDB simple family (application)

EP 82400214 A 19820205; CA 396539 A 19820218; DE 3266260 T 19820205; FR 8103528 A 19810223; JP 2689982 A 19820223