

Title (en)

A process for coil coating aluminium for the manufacture of automotive veneers.

Title (de)

Verfahren zur Bandbeschichtung von Aluminium zur Herstellung von Überzügen auf Fahrzeugen.

Title (fr)

Procédé pour le couchage sur bande d'aluminium pour la production de revêtements d'automobile.

Publication

EP 0547506 A1 19930623 (EN)

Application

EP 92121058 A 19921210

Priority

US 80870291 A 19911217

Abstract (en)

The present invention is directed to a process for coil coating aluminum comprising the steps of: (a) coating a carrier film with a clearcoat layer; (b) applying a basecoat layer on said clearcoat layer; (c) applying an adhesive layer on said basecoat layer; (d) optionally (i) applying a protective film on said adhesive layer to form a free multilayer coating film; (ii) removing said protective film; and (e) applying an aluminum film on said adhesive layer; for the manufacture of automotive veneers with good appearance and adhesion between coating and aluminum. The new process is very flexible in terms of different colors of coatings and the use of graphics and patterns in the coating.

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B05D 1/286 (2013.01); **B05D 7/57** (2013.01); **B05D 2202/25** (2013.01); **B05D 2701/10** (2013.01)

Citation (search report)

- [A] EP 0374551 A2 19900627 - BASF CORP [US]
- [A] FR 2585603 A1 19870206 - ASTURIENNE FRANCE [FR]
- [A] GB 2059339 A 19810423 - CHALLIS A A L, et al
- [AD] US 4769100 A 19880906 - SHORT WILLIAM T [US], et al
- [AD] US 5100732 A 19920331 - BENEFIEL JAMES W [US]

Cited by

EP0842029A4; EP3156224A1; CN112795289A; WO9711787A1; US6336988B1; US6733870B2; US6254712B1; US6547912B2; US6773804B2

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