

Title (en)  
METHOD OF MULTILAYER COATING

Title (de)  
VERFAHREN ZUM MEHRSCHICHTBESCHICHTEN

Title (fr)  
PROCEDE DE REVETEMENT MULTICOUCHE

Publication  
**EP 0823289 A4 19990609 (EN)**

Application  
**EP 96912227 A 19960425**

Priority  
• JP 9601119 W 19960425  
• JP 12733395 A 19950427

Abstract (en)  
[origin: WO9633814A1] A method of multilayer coating, comprising the steps of applying a cationic electrodeposition paint to a metallic object, heating and curing the paint, applying a first color base coat for covering the metallic surface, applying a second color base coat having transparency on the first coat before it is substantially cured, heating and curing both of the first and second color base coats, applying then a clear paint, and heating and curing it. According to this method, it is possible to form a multilayer paint coat that shows improvement in appearance, design, decorativeness, corrosion proofness, weatherability, chipping resistance and other physical properties.

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**B05D 1/38**

IPC 8 full level  
**B05D 7/00** (2006.01)

CPC (source: EP KR)  
**B05D 1/38** (2013.01 - KR); **B05D 7/577** (2013.01 - EP)

Citation (search report)  
• [A] EP 0238037 A2 19870923 - NIPPON PAINT CO LTD [JP]  
• [A] EP 0402181 A1 19901212 - NISSAN MOTOR [JP]  
• [A] WO 9215729 A1 19920917 - DU PONT [US]  
• [A] US 4933214 A 19900612 - SUGIURA SHINJI [JP], et al  
• [A] US 4139672 A 19790213 - OZAWA HIROSHI, et al  
• [A] EP 0265363 A2 19880427 - BASF CORP [US]  
• See references of WO 9633814A1

Cited by  
US7531074B2; EP1050346A4; EP1595604A1; EP1340554A3; CN101870188A; EP2243560A3; JP2020022948A; US8535795B2; US10052658B2; US6180181B1; EP2243560A2; WO03068418A3; WO2011145303A1; KR100708517B1; EP1893352B2

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**WO 9633814 A1 19961031**; CA 2219303 A1 19961031; DE 69623949 D1 20021031; DE 69623949 T2 20030220; EP 0823289 A1 19980211; EP 0823289 A4 19990609; EP 0823289 B1 20020925; KR 100412963 B1 20040403; KR 19980703484 A 19981105

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