

Title (en)  
DURABLE MULTILAYER COATING

Publication  
**EP 0460973 A3 19940907 (EN)**

Application  
**EP 91305179 A 19910607**

Priority  
JP 14955690 A 19900607

Abstract (en)  
[origin: EP0460973A2] A laminate comprises, in consecutive order, a metal substrate, with or without a primer layer for powder coating; a powder coating layer and a fluorine resin top coat; in which the powder coating layer is formed by applying onto the metal substrate (with or without a primer layer), a composite powder coating composition containing mother powder particles comprising a film-forming binder resin which is solid at room temperature and heat-meltable and a pigment, together with microparticles of a resin containing, as an essential component, methyl methacrylate and having an average diameter of 0.001 to 10  $\mu$ m, in an amount of 0.05 to 40% by weight of the total powder coating composition; and then baking the formed coating.

IPC 1-7  
**B05D 5/08**; **B05D 7/14**

IPC 8 full level  
**B05D 5/08** (2006.01); **B05D 7/14** (2006.01); **B05D 7/24** (2006.01); **B32B 15/08** (2006.01); **C09D 5/00** (2006.01); **C09D 5/03** (2006.01); **C09D 7/12** (2006.01); **C09D 127/16** (2006.01); **C09D 133/00** (2006.01); **C09D 163/00** (2006.01); **C09D 167/00** (2006.01); **C09D 175/04** (2006.01)

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Citation (search report)  
• [A] EP 0354822 A1 19900214 - ATOCHEM ELF SA [FR]  
• [PX] EP 0404752 A1 19901227 - FINA RESEARCH [BE]  
• [PX] EP 0404753 A1 19901227 - FINA RESEARCH [BE]

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