

Title (en)
Aluminium based substrate for enamelling

Title (de)
Aluminiumhaltiges Substrat für Emailbeschichtungen

Title (fr)
Substrat à base d'aluminium pour l'émaillage

Publication
EP 0611834 B1 19970423 (DE)

Application
EP 94810015 A 19940114

Priority
CH 50093 A 19930218

Abstract (en)
[origin: EP0611834A1] Aluminium-containing substrate for enamel coatings, containing an oxide layer at least on the sides of the enamel coatings, the substrate containing a surface layer of aluminium or an aluminium alloy and carrying on this layer a porous oxide layer more than 0.2 μm thick, with a pore diameter of from 0.03 to 0.15 μm and a pore depth/diameter ratio of from 2 to 60. An enamel coating is applied to the substrate in a thickness of, for example, from 50 to 200 μm . The enamelled substrates can be used as exterior trim or cladding on vehicles or buildings, the enamel-coated substrates having outstanding protection against external influences.

IPC 1-7
C23D 3/00; **C25D 11/08**

IPC 8 full level
C23D 3/00 (2006.01); **C25D 11/08** (2006.01)

CPC (source: EP)
C23D 3/00 (2013.01); **C25D 11/08** (2013.01)

Cited by
CN107265859A; DE19649662A1; US6517904B1; US6528186B1; EP0648863B1

Designated contracting state (EPC)
CH DE FR IT LI NL

DOCDB simple family (publication)
EP 0611834 A1 19940824; **EP 0611834 B1 19970423**; CH 687989 A5 19970415; DE 59402468 D1 19970528

DOCDB simple family (application)
EP 94810015 A 19940114; CH 50093 A 19930218; DE 59402468 T 19940114