

Title (en)

PROCESS FOR MAKING DECORATIVE OR INFORMATIVE PATTERNS ON OBJECTS MADE OF METAL SHEETS WITH ONE OR POSSIBLY SEVERAL COATINGS

Publication

EP 0277495 B1 19901024 (DE)

Application

EP 88100337 A 19880112

Priority

DE 3701456 A 19870120

Abstract (en)

[origin: US4786362A] According to the invention a method for producing decorative or informative patterns on objects made of plated metal sheets is disclosed. The procedure is to remove the outer plated layer mechanically or chemically as far as at least one of the lower layers in the shape of the desired pattern. The object thus obtained, with the exposed lower layer or layers, is then treated in one and the same surface treatment bath, with which the outer and the inner layers react differently. It is advantageous to use aluminum of different degrees of purity for plated layers and to use a polishing bath for the surface treatment.

IPC 1-7

B44C 3/00; **C25F 3/00**; **C25F 3/14**

IPC 8 full level

C23F 1/00 (2006.01); **B44C 3/00** (2006.01); **C23F 4/04** (2006.01); **C25F 3/00** (2006.01); **C25F 3/14** (2006.01); **C25F 3/20** (2006.01)

CPC (source: EP US)

B44C 3/005 (2013.01 - EP US); **C25F 3/14** (2013.01 - EP US); **C25F 3/20** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0277495 A1 19880810; **EP 0277495 B1 19901024**; DE 3701456 A1 19880728; DE 3860834 D1 19901129; ES 2016236 A4 19901101; ES 2016236 B3 19910716; JP S63192880 A 19880810; US 4786362 A 19881122

DOCDB simple family (application)

EP 88100337 A 19880112; DE 3701456 A 19870120; DE 3860834 T 19880112; ES 88100337 T 19880112; JP 1053388 A 19880120; US 15139988 A 19880202