

Title (en)

ALUMINIUM OR ALUMINIUM ALLOY BASED CARRIER MATERIALS FOR OFFSET PRINTING PLATES, AND PROCESS FOR MANUFACTURING THEM

Publication

EP 0269851 B1 19930609 (DE)

Application

EP 87115715 A 19871027

Priority

DE 3637764 A 19861106

Abstract (en)

[origin: US4853093A] There is disclosed a plate-, foil- or web-shaped support material for offset printing plates, made of mill-finished, mechanically and/or chemically or mechanically and electrochemically grained aluminum or an aluminum alloy, which has been anodized in aqueous-alkaline solutions. The support material of the invention shows a reflectometer value, at an angle of incidence of 60 DEG (measured according to DIN 67 530; 1982), of greater than 5, an abrasion of the oxide layer of less than 0.5 g/m² and a resistance to alkali of greater than 140 s. Also disclosed is a process for the manufacture of the support material, in which an anodic oxidation is carried out in an electrolyte having a pH greater than or equal to 12.5, at a voltage of less than 50 V.

IPC 1-7

B41N 1/08; **C23F 1/02**; **C25D 11/04**; **C25F 3/04**

IPC 8 full level

B41N 1/08 (2006.01); **B41N 3/03** (2006.01); **C23F 1/02** (2006.01); **C25D 11/04** (2006.01); **C25D 11/08** (2006.01); **C25F 3/04** (2006.01)

CPC (source: EP US)

B41N 3/034 (2013.01 - EP US); **C25D 11/08** (2013.01 - EP US); **Y10S 205/921** (2013.01 - EP US)

Cited by

US5755949A; WO2005078164A3; WO2005078164A2; US7780838B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0269851 A2 19880608; **EP 0269851 A3 19890719**; **EP 0269851 B1 19930609**; DE 3637764 A1 19880511; DE 3786149 D1 19930715; JP S63134292 A 19880606; US 4853093 A 19890801

DOCDB simple family (application)

EP 87115715 A 19871027; DE 3637764 A 19861106; DE 3786149 T 19871027; JP 27841387 A 19871105; US 11477187 A 19871030