

Title (en)  
METHOD AND PLANTS FOR THE CONTINUOUS UNILATERAL ANODIC OXIDATION OF ALUMINIUM BANDS AND UTILIZATION THEREOF  
TO MAKE OFFSET PRINTING PLATES

Publication  
**EP 0178297 B1 19881019 (DE)**

Application  
**EP 83901816 A 19830613**

Priority  
EP 8300152 W 19830613

Abstract (en)  
[origin: WO8404934A1] In a continuous unilateral anodic oxidation of aluminium bands or of bands made of aluminium alloys, the direct current operates by at least one anode and one cathode arranged within an aqueous electrolyte. The anode and the cathode, or the anodes and cathodes, act from the opposite sides and simultaneously electrochemically on the band which is running past them and which is substantially horizontally guided in front of the substantially horizontal electrodes. A plant for carrying out such method comprises a) at least one processing bath (2) containing an aqueous electrolyte (3), b) at least one anode (5) arranged in the electrolyte under the band to be treated (1), and c) at least one cathode (4) arranged over the band to be treated. A band to be thus treated may be conveniently used as support material for the making of offset printing plates carrying a photosensitive layer.

IPC 1-7  
**C25D 11/04**; **C25D 17/00**; **B41N 1/08**

IPC 8 full level  
**B41N 3/00** (2006.01); **B41N 3/03** (2006.01); **C25D 11/04** (2006.01); **C25D 17/00** (2006.01); **C25D 17/10** (2006.01)

CPC (source: EP US)  
**B41N 3/034** (2013.01 - EP US); **C25D 11/005** (2013.01 - EP US); **C25D 11/04** (2013.01 - EP US)

Cited by  
DE102006052170A1

Designated contracting state (EPC)  
AT BE CH DE FR GB LI NL SE

DOCDB simple family (publication)  
**WO 8404934 A1 19841220**; AU 1606983 A 19850104; AU 568081 B2 19871217; BR 8307765 A 19860415; CA 1244793 A 19881115; DE 3378270 D1 19881124; EP 0132549 A1 19850213; EP 0132549 B1 19881019; EP 0178297 A1 19860423; EP 0178297 B1 19881019; ES 533256 A0 19851216; ES 8603594 A1 19851216; FI 80728 B 19900330; FI 80728 C 19900710; FI 852728 A0 19850710; FI 852728 L 19850710; JP H0514031 B2 19930224; JP S60501564 A 19850919; US 4605480 A 19860812; ZA 844446 B 19850130

DOCDB simple family (application)  
**EP 8300152 W 19830613**; AU 1606983 A 19830613; BR 8307765 A 19830613; CA 455990 A 19840606; DE 3378270 T 19830613; EP 83901816 A 19830613; EP 84106318 A 19840602; ES 533256 A 19840608; FI 852728 A 19850710; JP 50193383 A 19830613; US 70431385 A 19850213; ZA 844446 A 19840613