

Title (en)

PROCESS FOR THE ELECTROCHEMICAL ROUGHENING OF STEEL PLATES FOR USE AS SUPPORTS FOR OFF-SET PRINTING PLATES,
AS WELL AS AN ELECTROLYTIC SOLUTION SUITABLE FOR THE PROCESS

Publication

EP 0167087 B1 19880803 (DE)

Application

EP 85107826 A 19850624

Priority

DE 3424529 A 19840704

Abstract (en)

[origin: US4614571A] Disclosed is a process and an electrolyte solution for electrochemically roughening steel-based supports for offset printing plates. The treatment is carried out in a hydrochloric acid electrolyte which comprises at least one wetting agent inhibitor. As a result, a uniform surface topography of the plates is achieved, while largely avoiding the formation of scars. The roughened plates are corrosion-resistant and can be coated either directly or indirectly after first treating the plates to render them hydrophilic.

IPC 1-7

C25F 3/06; **B41N 1/08**

IPC 8 full level

B41N 1/08 (2006.01); **B41N 3/00** (2006.01); **B41N 3/03** (2006.01); **C25F 3/06** (2006.01)

CPC (source: EP US)

B41N 3/038 (2013.01 - EP US); **C25F 3/06** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0167087 A1 19860108; **EP 0167087 B1 19880803**; DE 3424529 A1 19860109; DE 3564137 D1 19880908; JP S6125887 A 19860204;
US 4614571 A 19860930

DOCDB simple family (application)

EP 85107826 A 19850624; DE 3424529 A 19840704; DE 3564137 T 19850624; JP 14594785 A 19850704; US 75152285 A 19850703