

Title (en)
LITHOGRAPHIC FOUNTAIN SOLUTION CONTAINING MIXED COLLOIDS

Publication
EP 0249752 A3 19880330 (DE)

Application
EP 87107136 A 19870518

Priority
US 87494286 A 19860616

Abstract (en)
[origin: US4764213A] A lithographic fountain solution concentrate is disclosed, the essential components of which comprises an aqueous mixture of: (a) from about 0.1 to 1.5 percent by weight of a water soluble film forming hydrophilic gum; (b) from about 0.75 to about 8.5 percent by weight of Polyvinyl Pyrrolidone; (c) from about 5.0 to about 30.0 percent by weight of a water soluble acid etchant; (d) from about 20.0 to about 50.0 percent by weight of a water soluble or water miscible glycol; and (e) from about 0.01 to about 1.25 percent by weight of a phosphate/phosphoric acid buffer system. The concentrate is adapted for further dilution by water to yield a fountain solution which when used in the printing process offers decreased scumming and blinding of printing plates while at the same time permitting a reduction in the amount of water applied to the plate. Improved print quality, reduced tendency to wet the paper, faster ink drying and improved ink/water balance is thereby achieved.

IPC 1-7
B41N 3/08

IPC 8 full level
B41N 3/08 (2006.01)

CPC (source: EP US)
B41N 3/08 (2013.01 - EP US)

Citation (search report)
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• [Y] GB 1492529 A 19771123 - VICKERS LTD
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• [Y] RESEARCH DISCLOSURE, no. 148, August 1976, page 20, no. 14837; J.H. EVANS et al.: "Lithographic finishing and fountain solutions"

Cited by
EP0358113A3; EP0326715A3; US6488754B2; WO9112141A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0249752 A2 19871223; EP 0249752 A3 19880330; EP 0249752 B1 19901212; CA 1296119 C 19920218; DE 3766656 D1 19910124; JP S634993 A 19880109; US 4764213 A 19880816

DOCDB simple family (application)
EP 87107136 A 19870518; CA 539685 A 19870615; DE 3766656 T 19870518; JP 14718387 A 19870615; US 87494286 A 19860616