

Title (en)
PRINTING MACHINE

Publication
EP 0279066 A3 19900228 (DE)

Application
EP 87118998 A 19871222

Priority
DE 3705439 A 19870220

Abstract (en)
[origin: US4872962A] The invention relates to a surface printing press with a printed image carrier having an image thereon corresponding to the matter to be printed on paper or the like. The image on the printed image carrier is in the form of hydrophilic and hydrophobic areas. In order to be able to modify the extents and positions of these areas on the press directly and thus reduce press idle times the printed image carrier is made of a material such as polymer whose said areas may be changed over dotwise between the said hydrophilic and hydrophobic conditions by electrical effects taking place in an electrochemical process with one electrode being formed by the plate cylinder and the counter-electrode being formed by a roller bearinged for rotation in an electrolyte container. One of the two electrodes is in the form of matrix and is operated so as to produce a pattern of dots.

IPC 1-7
B41C 1/10; B41M 5/20

IPC 8 full level
B41F 31/02 (2006.01); **B41C 1/10** (2006.01); **B41M 5/20** (2006.01)

CPC (source: EP US)
B41C 1/10 (2013.01 - EP US); **B41C 1/1041** (2013.01 - EP US); **B41M 5/20** (2013.01 - EP US)

Citation (search report)
• [X] US 4068588 A 19780117 - NAKANO KEITA, et al
• [X] US 3106155 A 19631008 - EASTMAN DONALD R, et al
• [X] EP 0200488 A2 19861105 - IBM [US]
• [X] EP 0160920 A2 19851113 - HOECHST AG [DE]
• [AD] EP 0101266 A2 19840222 - MILLIKEN RES CORP [US]
• [AD] FR 2392828 A1 19781229 - HELL RUDOLF [DE]
• [X] IBM TECHNICAL DISCLOSURE BULLETIN, Band 20, Nr. 10, März 1978, Seiten 4176-4177, New York, US; A. AVIRAM et al.: "Anodic electrolytic induction of wettability"

Cited by
EP0352612A1; EP0367048A3; DE19748295A1; EP2236289A3

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

DOCDB simple family (publication)
EP 0279066 A2 19880824; EP 0279066 A3 19900228; EP 0279066 B1 19921209; DD 279848 A5 19900620; DE 3705439 A1 19880901; DE 3783027 D1 19930121; JP S63239057 A 19881005; US 4872962 A 19891010

DOCDB simple family (application)
EP 87118998 A 19871222; DD 31291988 A 19880215; DE 3705439 A 19870220; DE 3783027 T 19871222; JP 3646388 A 19880218; US 13492487 A 19871218