

Title (en)

Apparatus and method for drying ink printed on a print medium in a printing system.

Title (de)

Apparat und Verfahren zum Trocknen der Druckfarbe auf einem Druckmedium in einem Drucksystem.

Title (fr)

Appareil et procédé de séchage de l'encre déposée sur un support d'impression dans un dispositif imprimeur.

Publication

EP 0025878 A1 19810401 (EN)

Application

EP 80104964 A 19800821

Priority

US 7748079 A 19790920

Abstract (en)

A printer has a sheet feed and drum transport assembly (17), an exit assembly (465) and a dryer. Various print parameters or conditions relating to the drying of the ink on the print medium are monitored. These print parameters include print data density, ink drying characteristics and ambient humidity. The monitored print parameters are used to control the drying. In addition the monitored print parameters are used to control the detaching of the print medium from a rotary transport drum (10).

IPC 1-7

B41F 23/04; B41J 3/04

IPC 8 full level

B41F 23/04 (2006.01); **B41J 2/01** (2006.01); **B41J 11/00** (2006.01); **B41J 13/00** (2006.01); **B41J 29/377** (2006.01)

CPC (source: EP US)

B41F 23/0443 (2013.01 - EP US); **B41J 11/0015** (2013.01 - EP); **B41J 11/002** (2013.01 - EP US); **B41J 11/00216** (2021.01 - EP US);
B41J 11/0024 (2021.01 - EP US)

Citation (search report)

- US 3835777 A 19740917 - KRYGERIS A
- FR 2332868 A1 19770624 - SVECIA SILKSCREEN MASKINER AB [SE]
- US 3223030 A 19651214 - WALTER RAINER
- FR 2086751 A5 19711231 - LEGUEN GEORGES, et al
- US 4033263 A 19770705 - RICHMOND ABRAHAM W
- FR 2382339 A1 19780929 - ROLAND EMBALLAGES [FR]
- US 2676416 A 19540427 - CALOSI CARLO L, et al
- US 3946501 A 19760330 - COTTERELL JEFFREY
- US 3237685 A 19660301 - HEISTERKAMP HERBERT W
- US 3894343 A 19750715 - PRAY ROBERT W, et al
- US 4168579 A 19790925 - ERICSSON SYLVE J D
- US 3958509 A 19760525 - MURRAY JAMES E, et al

Cited by

CN111524302A; EP0771661A3; EP0622203A3; US5608439A; EP0378826A3; GB2226987A; EP0385417A3; US5130726A; FR2602719A1;
GB2226986A; EP0307251A3; FR2621274A1; US4933684A; US9731517B1; US9962959B2; DE102011121689A1; US9170195B2; EP1864800A2;
US7954431B2

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0025878 A1 19810401; EP 0025878 B1 19840321; AU 533235 B2 19831110; AU 6084880 A 19810326; BR 8005975 A 19810331;
CA 1156739 A 19831108; DE 3067145 D1 19840426; ES 495181 A0 19810616; ES 8105635 A1 19810616; JP S5646762 A 19810428;
JP S6233959 B2 19870723

DOCDB simple family (application)

EP 80104964 A 19800821; AU 6084880 A 19800728; BR 8005975 A 19800918; CA 356448 A 19800718; DE 3067145 T 19800821;
ES 495181 A 19800919; JP 12252180 A 19800905