

Title (en)

Device for controlling the damping fluid temperature in an offset printing machine.

Title (de)

Temperiereinrichtung für das Feuchtmittel in Offset-Druckmaschinen.

Title (fr)

Dispositif pour régler la température du liquide mouilleur dans une machine à imprimer offset.

Publication

EP 0437665 B1 19931229 (DE)

Application

EP 90105618 A 19900324

Priority

DE 4000912 A 19900115

Abstract (en)

[origin: EP0437665A2] In a device for setting and keeping constant the temperature of the damping fluid in offset printing machines having one or more damping and printing units or inking units, the cooled damping fluid being taken from a damping fluid supply container, controlled to a desired temperature, fed via feed lines in each case to a damping unit case, taken from there by a feed damping roller and transferred by means of damping rollers, said damping unit case being connected to the damping fluid supply container via a return flow line, to achieve a high quality of control with rapid control characteristics a first partial circuit is provided which is formed from feed and return flow lines and is connected in terms of flow via a motor-controlled mixing device to a second partial circuit conducting cooled damping fluid. Provided for controlling the mixing device is a control apparatus which has a control circuit and a processor control unit which determines for each printing unit a control parameter in accordance with a program and depending on the measured temperature values of the damping fluid in the damping unit case and/or on the surface of a roller transferring the damping fluid, the desired value given and given interference vectors which may be affected. <IMAGE>

IPC 1-7

B41F 7/24; **B41F 33/00**

IPC 8 full level

B41F 7/24 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP)

B41F 33/0054 (2013.01)

Cited by

US5870952A; EP0924075A1; DE4426077A1; US5749295A; DE4426083A1; EP0693375A3; WO9948693A1; WO2009059787A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL

DOCDB simple family (publication)

EP 0437665 A2 19910724; **EP 0437665 A3 19920102**; **EP 0437665 B1 19931229**; AT E99229 T1 19940115; DE 4000912 C1 19910529; DE 59004036 D1 19940210

DOCDB simple family (application)

EP 90105618 A 19900324; AT 90105618 T 19900324; DE 4000912 A 19900115; DE 59004036 T 19900324