

Title (en)

Device for controlling the temperature of a printing press

Title (de)

Temperiervorrichtung einer Druckmaschine

Title (fr)

Dispositif pour contrôler la température d'une machine à imprimer

Publication

**EP 1008448 B1 20030108 (DE)**

Application

**EP 99120734 A 19991020**

Priority

DE 19857107 A 19981210

Abstract (en)

[origin: EP1008448A1] A temperature control device comprises tempering fluid circuit (2) with pump (4) and consumer (6) and a tempering fluid source (10) and feedline (16) to the inlet (18) into the circuit, notably at a first point (18) between consumer and pump intake (20). A fluid return (22) runs from circuit outlet (24) to a second point (24) between pump intake (20) and consumer (6) upstream of the first point (18) and so back to source (10). A slave valve (28) in line (22) is fitted as also a temperature sensor (30) in the flow circuit (2). A pressure head is set up by a flow resistance (32) circuited (2) between first and second points (18,24) so with the valve partly or completely open, part of the fluid can pass through valve (28) back to the source (10). Electronic switch control (34) sets the valve (28) and its fluid flow to the current temperature measured by the sensor (30) in order to maintain the ideal temperature at the consumer.

IPC 1-7

**B41F 13/22**; **B41F 31/00**; **B41F 7/37**

IPC 8 full level

**B41F 7/37** (2006.01); **B41F 13/22** (2006.01); **B41F 31/00** (2006.01)

CPC (source: EP US)

**B41F 7/37** (2013.01 - EP US); **B41F 13/22** (2013.01 - EP US); **B41F 31/002** (2013.01 - EP US)

Cited by

WO2010029023A1; EP2639065A1; US8327762B2; WO2010105711A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 1008448 A1 20000614**; **EP 1008448 B1 20030108**; CN 1257005 A 20000621; DE 19857107 A1 20000615; DE 59903964 D1 20030213; JP 2000168038 A 20000620; JP 3117689 B2 20001218; US 6289984 B1 20010918

DOCDB simple family (application)

**EP 99120734 A 19991020**; CN 99124352 A 19991209; DE 19857107 A 19981210; DE 59903964 T 19991020; JP 34624399 A 19991206; US 45405099 A 19991203