

Title (en)

Vortex route and device for regulating the temperature of a machine element

Title (de)

Verwirbelungsstrecke und Vorrichtung zur Temperierung eines Bauteiles

Title (fr)

Parcours et dispositif de tourbillonnage pour tempérer un élément d'une machine

Publication

**EP 1435290 A1 20040707 (DE)**

Application

**EP 03104618 A 20031210**

Priority

- DE 10258927 A 20021217
- DE 10328235 A 20030624

Abstract (en)

Turbulence system (17) in a control system (02) for controlling the temperature of a component (01) of a machine comprises in direct succession a cross-section enlargement, a direction change, and a cross-section reduction. An Independent claim is also included for a device for controlling the temperature of a component of a printing machine using a fluid whose temperature is changed at a feed point (16). Preferred Features: The turbulence system is arranged in a control system for controlling the temperature of a component of a printing machine. The turbulence system is arranged between a feed point and the component.

Abstract (de)

Eine Verwirbelungsstrecke in einer Regelstrecke zur Temperierung eines Bauteiles einer Maschine weist in direkter Abfolge eine Querschnittsvergrößerung, eine Richtungsänderung sowie eine Querschnittsverkleinerung auf.

IPC 1-7

**B41F 13/00**; **B41F 13/22**; **B01F 5/06**; **B01F 5/04**

IPC 8 full level

**B01F 5/06** (2006.01); **B41F 13/22** (2006.01)

CPC (source: EP)

**B01F 25/433** (2022.01); **B01F 25/4331** (2022.01); **B01F 25/4337** (2022.01); **B41F 13/22** (2013.01); **B01F 2215/0422** (2013.01)

Citation (applicant)

- DE 4429520 A1 19960222 - BALDWIN GEGENHEIMER GMBH [DE]
- EP 0886577 B1 19991201 - HEIDELBERGER DRUCKMASCH AG [DE]

Citation (search report)

- [YA] US 3128993 A 19640414
- [YA] US 2002185552 A1 20021212 - ADAMSON WILLIAM R [US], et al
- [A] CH 581493 A5 19761115 - ESCHER WYSS AG
- [A] US 3780796 A 19731225 - MIRAM H, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1435290 A1 20040707**; **EP 1435290 B1 20071219**; AT E381433 T1 20080115; DE 10328235 A1 20040715; DE 10328235 B4 20051006; DE 50308843 D1 20080131

DOCDB simple family (application)

**EP 03104618 A 20031210**; AT 03104618 T 20031210; DE 10328235 A 20030624; DE 50308843 T 20031210