

Title (en)
Pulley for an embossing machine

Title (de)
Umlenkrolle für eine Prägemaschine

Title (fr)
Poulie pour une machine d'estampage

Publication
EP 1318017 A3 20040922 (DE)

Application
EP 02026567 A 20021128

Priority
DE 10159662 A 20011205

Abstract (en)
[origin: EP1318017A2] A roller-pin fixed to the machine has fixed to it by its axially apart end sections a porous air-permeable sleeve. The roller-pin has a compressed air duct directed at the pin's sleeve to form an air cushion between the sleeves. The two axially separated bearing end sections of the roller-pin fix the end sections of the pin's sleeve. The compressed air duct opens into a smaller-diameter middle section between the two bearing end sections. A peripheral flange on the roller-pin, next to the bearing section, adjoins one annular end surface of the pin's sleeve. The end side of the roller-pin axially apart from the flange, has a disc (42) fixed to it.

IPC 1-7
B41F 19/02; B41F 19/06

IPC 8 full level
B31F 1/07 (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP US)
B31F 1/07 (2013.01 - EP US); **B65H 27/00** (2013.01 - EP US); **B31F 2201/0728** (2013.01 - EP US); **B31F 2201/073** (2013.01 - EP US); **B31F 2201/0753** (2013.01 - EP US); **B65H 2401/242** (2013.01 - EP US); **B65H 2404/1321** (2013.01 - EP US)

Citation (search report)
• [XAY] US 5246155 A 19930921 - BARROIS CLAUD D [DE]
• [Y] US 3746233 A 19730717 - ILLG P, et al
• [A] EP 0686781 A2 19951213 - GROSS HEINZ DR ING [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1318017 A2 20030611; **EP 1318017 A3 20040922**; **EP 1318017 B1 20090923**; DE 10159662 A1 20030626; DE 10159662 B4 20050811; DE 50213864 D1 20091105; US 2003114283 A1 20030619; US 7097604 B2 20060829

DOCDB simple family (application)
EP 02026567 A 20021128; DE 10159662 A 20011205; DE 50213864 T 20021128; US 30789002 A 20021202