

Title (en)
CYLINDER FOR WEB-PROCESSING MACHINES

Publication
EP 0179363 B1 19900207 (DE)

Application
EP 85112878 A 19851011

Priority
DE 3439090 A 19841025

Abstract (en)
[origin: US4617864A] A cylinder for handling continuous lengths of web material comprises a rotatably mounted tubular casing, a spindle extending from end to end of the casing and arranged to be stationary in relation to rotation of said casing and having an external diameter less than the diameter of an inner face of the tubular casing, at least one support bearing which is symmetrical in relation to the middle of the cylinder and coaxial to the cylinder, the bearing bridging over an annular space existing between the casing and the spindle, oil at least partly filling the annular space, at least one heat exchanger placed in the annular space and surrounding the spindle, mounts fixed to the spindle for locating the heat exchanger thereon, and connection ducts for coolant, at least partly in the form of lengths of flexible hose placed in recesses in the spindle, the connection ducts being adapted to join the heat exchanger with an external coolant supply and return duct.

IPC 1-7
B41F 13/18; **B41F 13/22**

IPC 8 full level
B41F 13/18 (2006.01); **B41F 13/22** (2006.01); **B41F 13/24** (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP US)
B41F 13/18 (2013.01 - EP US); **B41F 13/22** (2013.01 - EP US)

Cited by
DE102004030702B3; FR2761296A1; CN100368192C; EP0491112A1; EP1695823A1; GB2303581A; US5813334A; GB2303581B; WO2006000516A1; US7717039B2; WO2004039589A1; WO2004039588A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0179363 A2 19860430; **EP 0179363 A3 19871209**; **EP 0179363 B1 19900207**; AT E50200 T1 19900215; DE 3439090 A1 19860430; DE 3439090 C2 19870108; DE 3575887 D1 19900315; DK 487185 A 19860426; DK 487185 D0 19851024; FI 79058 B 19890731; FI 79058 C 19891110; FI 854113 A0 19851022; FI 854113 L 19860426; JP S61109909 A 19860528; NO 162551 B 19891009; NO 162551 C 19900117; NO 853571 L 19860428; US 4617864 A 19861021

DOCDB simple family (application)
EP 85112878 A 19851011; AT 85112878 T 19851011; DE 3439090 A 19841025; DE 3575887 T 19851011; DK 487185 A 19851024; FI 854113 A 19851022; JP 23925285 A 19851024; NO 853571 A 19850912; US 77435085 A 19850910