

Title (en)
ROLL FOR PROCESSING A FLAT WEB-LIKE MATERIAL

Publication
EP 0156236 B1 19880803 (DE)

Application
EP 85102805 A 19850312

Priority
DE 8409106 U 19840324

Abstract (en)
[origin: US4683627A] A roll for processing material in the form of a web or strip consists of a cylindrical hollow body of metal, in the cylinder wall of which there is provided a helical medium passage through which a heating or cooling medium can flow. In order to avoid sealing problems in the region of the cylinder wall and to achieve a high heating or cooling performance, the cylinder wall is formed from a cast metal tube and the helical medium passage is formed from a spiral tube of a metal having a distinctly higher melting temperature in comparison with that of the cylinder wall, the spiral tube being rigidly embedded in the cylinder wall during casting thereof. The cylinder wall consists particularly advantageously of a centrifugally cast tube, preferably of aluminium, in the wall of which the spiral tube is included in the casting.

IPC 1-7
D21F 5/02; **F26B 13/18**

IPC 8 full level
F16C 13/00 (2006.01); **B21B 27/08** (2006.01); **B29B 13/00** (2006.01); **B29C 71/00** (2006.01); **D06C 15/08** (2006.01); **D21F 1/00** (2006.01); **D21F 5/02** (2006.01); **F26B 13/18** (2006.01)

CPC (source: EP US)
D21F 5/022 (2013.01 - EP US); **F26B 13/183** (2013.01 - EP US)

Cited by
EP0397066A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0156236 A2 19851002; **EP 0156236 A3 19860312**; **EP 0156236 B1 19880803**; AT E36179 T1 19880815; CA 1271655 A 19900717; DE 3564140 D1 19880908; JP S60222610 A 19851107; US 4683627 A 19870804; US 4711291 A 19871208

DOCDB simple family (application)
EP 85102805 A 19850312; AT 85102805 T 19850312; CA 476533 A 19850314; DE 3564140 T 19850312; JP 5476185 A 19850320; US 71186685 A 19850314; US 90148786 A 19860828