

Title (en)  
Spinning machine

Title (de)  
Drückwalzmaschine

Title (fr)  
Machine à repousser

Publication  
**EP 0611612 B1 19970319 (DE)**

Application  
**EP 94100538 A 19940115**

Priority  
US 2006193 A 19930219

Abstract (en)  
[origin: US5323630A] A flow-roller machine comprises a machine frame, a rotatable spindle, a rotary drive for the spindle, a compression tool attached to a face end of the spindle, an axially displaceable pressure pad aligning with the spindle for a workpiece put in place on the compression tool, and at least two rotatable compression rollers that, guided in the machine frame, can be advanced in radial direction of the spindle. The spindle together with its rotary drive and the pressure pad are displaceable in axial direction of the spindle relative to the machine frame and relative to the compression rollers.

IPC 1-7  
**B21D 22/14**

IPC 8 full level  
**B21D 22/16** (2006.01)

CPC (source: EP US)  
**B21D 22/16** (2013.01 - EP US)

Cited by  
CN103878229A; DE4437212C2; CN103934344A; EP3159068A1; CN107427887A; US10888911B2; WO2017067682A1

Designated contracting state (EPC)  
DE ES

DOCDB simple family (publication)  
**US 5323630 A 19940628**; CA 2113337 A1 19940820; DE 59402107 D1 19970424; EP 0611612 A1 19940824; EP 0611612 B1 19970319; ES 2101361 T3 19970701; JP H06339733 A 19941213

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**US 2006193 A 19930219**; CA 2113337 A 19940112; DE 59402107 T 19940115; EP 94100538 A 19940115; ES 94100538 T 19940115; JP 2072494 A 19940218