

Title (en)
Heated calander roller

Title (de)
Beheizbare Kalanderwalze

Title (fr)
Rouleau chauffé pour calandre

Publication
EP 1006236 B1 20050119 (DE)

Application
EP 99122637 A 19991113

Priority
• DE 19854522 A 19981126
• DE 19950645 A 19991021

Abstract (en)
[origin: EP1006236A2] The heated calander roller has a displacement body (6) in the central drilling (4) through the roller body (1). The material of the body (6) is specifically lighter than the material of the roller body (1). The material of the displacement body (6) is specifically lighter than the weight of the heating medium. The body (6) is of plastics, and preferably a solid plastics body, or it is of foam plastics with a closed pore structure. The displacement body (6) has at least one central drilling (9), and at least one groove (10) along its periphery in a spiral path, along the mantle line or at an angle to it. The outer diameter of the displacement body (6) is set to give it a press fit within the center drilling (4) through the roller, or only in certain length sections (7) where it is set back between them. The displacement body (6) is divided into separate sections longitudinally, as hollow plastics bodies, or it is in separate units with openings for different applications.

IPC 1-7
D21G 1/02

IPC 8 full level
F16C 13/00 (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP)
D21G 1/02 (2013.01); **D21G 1/0266** (2013.01)

Cited by
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Designated contracting state (EPC)
DE FI GB

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EP 99122637 A 19991113; CA 2290291 A 19991124; JP 33662399 A 19991126