

Title (en)  
Heated calender roller

Title (de)  
Beheizbare Kalanderwalze

Title (fr)  
Rouleau chauffé pour calandre

Publication  
**EP 1006236 A3 20030521 (DE)**

Application  
**EP 99122637 A 19991113**

Priority  
• DE 19854522 A 19981126  
• DE 19950645 A 19991021

Abstract (en)  
[origin: EP1006236A2] The heated calender 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  
**D21G 1/02** (2006.01); **F16C 13/00** (2006.01)

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

Citation (search report)  
• [A] DE 3014891 A1 19811022 - SCHWAEBISCHE HUETTENWERKE GMBH [DE]  
• [A] DE 9000980 U1 19900510

Cited by  
EP1842647A1; ITPI20130063A1

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

DOCDB simple family (publication)  
**EP 1006236 A2 20000607; EP 1006236 A3 20030521; EP 1006236 B1 20050119**; CA 2290291 A1 20000526; CA 2290291 C 20050426; JP 2000192392 A 20000711; JP 3443546 B2 20030902

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