

Title (en)  
Heated roller and operating process

Title (de)  
Temperierbare Walze und Verfahren zu ihrem Betrieb

Title (fr)  
Rouleau chauffé et procédé de fonctionnement

Publication  
**EP 1389693 A3 20051214 (DE)**

Application  
**EP 03016194 A 20030717**

Priority  
DE 10237632 A 20020816

Abstract (en)  
[origin: EP1389693A2] The heated calender roll for paper and cardboard has an inlet (9) for heating medium which passes through one bearing (7), a central channel (6) and an outlet (10) which passes through the second bearing (8). A flow guide (17) with radial spokes adjusts the peripheral speed of flow of the medium to correspond to that of the roll.

IPC 1-7  
**F16C 13/00**

IPC 8 full level  
**D21F 5/02** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP)  
**D21F 5/022** (2013.01); **D21G 1/0266** (2013.01)

Citation (search report)  
• [XA] US 2531988 A 19501128 - PRICE ROBERT J  
• [X] DE 19950645 A1 20000608 - WALZEN IRLE GMBH [DE]  
• [X] US 1837562 A 19311222 - MAYER CHARLES W  
• [X] DE 4111911 A1 19921015 - VOITH GMBH J M [DE]  
• [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 216 (M - 168) 29 October 1982 (1982-10-29)

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1389693 A2 20040218; EP 1389693 A3 20051214; EP 1389693 B1 20080326**; DE 10237632 A1 20040304; DE 10237632 B4 20041111;  
DE 50309449 D1 20080508

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