

Title (en)  
Corrugating roller heated by steam

Title (de)  
Dampf beheizte Riffelwalze

Title (fr)  
Rouleau onduleur chauffé par la vapeur

Publication  
**EP 0829693 B1 20011128 (FR)**

Application  
**EP 97402100 A 19970910**

Priority  
ES 9601937 A 19960912

Abstract (en)  
[origin: EP0829693A1] The rollers (2) comprise an internal chamber (1) into which the steam is introduced. Pipes (6) located at one end of the chamber enable condensate outflow. The condensate outlet pipes extend as far as an annular housing (7) in which is incorporated a ring formed from different independent sectors. These ring sectors, located inside the housing, can be radially displaced between end positions. In one position they rest on the bottom of the housing closing the pipes and in the other position, furthest away from the bottom, they leave the pipes open. When the roller is stopped, the ring sectors are in a stable position, under the effect of their weight. When the roller rotates they occupy, as a result of centrifugal action, the end position furthest from the housing bottom.

IPC 1-7  
**F28D 11/02**; F28F 5/02; B31F 1/28

IPC 8 full level  
**B31F 1/28** (2006.01); **F28D 11/02** (2006.01)

CPC (source: EP)  
**B31F 1/285** (2013.01); **F28D 11/02** (2013.01)

Cited by  
EP1240989A1; CN106945347A; US6953420B2

Designated contracting state (EPC)  
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**EP 0829693 A1 19980318**; **EP 0829693 B1 20011128**; DE 69708563 D1 20020110; DE 69708563 T2 20020829; ES 2131450 A1 19990716; ES 2131450 B1 20000301

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