

Title (en)  
Sealing device

Title (de)  
Dichtungseinrichtung

Title (fr)  
Dispositif d'étanchéité

Publication  
**EP 1350890 A3 20040324 (DE)**

Application  
**EP 03001609 A 20030124**

Priority  
DE 10214134 A 20020328

Abstract (en)  
[origin: EP1350890A2] An adjustable stop (26) limits pivoting motion of the seal (20) in the contact direction. This controls the pressure with which the working section (28) of the seal (20) is pressed against the moving surface (12). The seal is hinged (22), or alternatively pivots on a flexible region. The force acting on the stop is compensated; it arises from pressure difference between the two sides of the seal. The seal is wear-resistant because it is thick and/or is made of a suitable material. The stop adjusts the contact pressure such that the seal still works with the moving surface, but there is no contact on reaching a given speed. The stop is adjustable in the opposite direction. It is a sealing strip lying across the running direction of the moving surface. It is elastic or spring-loaded against the surface. It is resilient in the sealing region. The section between the sealing region and the pivot axis is comparatively rigid. It forms a gap with the moving surface in the running direction. Further configurations are elaborated. Lubricant is provided for the seal and/or the moving surface, through a sprayer pipe (42). The seal extends over the entire length of the roller.

IPC 1-7  
**D21F 3/10**

IPC 8 full level  
**D21F 3/10** (2006.01)

CPC (source: EP)  
**D21F 3/10** (2013.01)

Citation (search report)  
• [XY] DE 19751283 A1 19990520 - VOITH SULZER PAPIERTECH PATENT [DE]  
• [Y] US 3300374 A 19670124 - BAKER DONALD B, et al  
• [DA] EP 0652322 B1 19970827 - VALMET CORP [FI]

Cited by  
CN103046421A; CN106715792A; DE102012207692A1; DE102012213544A1; WO2013167656A1; WO2005035868A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
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