

Title (en)  
Sealing device

Title (de)  
Dichtungseinrichtung

Title (fr)  
Dispositif d' étanchéité

Publication  
**EP 1239076 A3 20030827 (DE)**

Application  
**EP 01130485 A 20011220**

Priority  
DE 10110946 A 20010307

Abstract (en)  
[origin: US2002175477A1] Sealing device for sealing at least one zone of underpressure or overpressure adjoining a moving surface that includes at least one sealing element, positionable opposite the moving surface to form a front and a rear, with respect to a surface running direction, with a sealing section located at the front and a ventilation section located at the rear. The sealing section is structured to sealingly interact with the moving surface and the ventilation section is structured to contact the moving surface and includes a run off surface having at least one of a substantially sawtooth and wavy shape surface arranged at an end of the rear.

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

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

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

Citation (search report)

- [XA] US 2900024 A 19590818 - HOLCROFT DONALD E
- [DX] DE 19751283 A1 19990520 - VOITH SULZER PAPIERTECH PATENT [DE]
- [A] US 2312519 A 19430302 - BERRY EARL E
- [A] GB 736149 A 19550907 - BOWATERS DEV & RES LTD
- [A] US 2274641 A 19420303 - ABBOTT ERNEST J, et al

Cited by  
DE10331399A1; EP1348805A1; US10179973B2; US10184214B2

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

DOCDB simple family (publication)  
**EP 1239076 A2 20020911; EP 1239076 A3 20030827; EP 1239076 B1 20090819**; AT E440173 T1 20090915; DE 10110946 A1 20020912; DE 50115054 D1 20091001; US 2002175477 A1 20021128; US 2004195779 A1 20041007; US 7090219 B2 20060815

DOCDB simple family (application)  
**EP 01130485 A 20011220**; AT 01130485 T 20011220; DE 10110946 A 20010307; DE 50115054 T 20011220; US 62460503 A 20030723; US 9017202 A 20020305