

Title (en)  
Device for dewatering a web

Title (de)  
Vorrichtung zur Entwässerung einer Materialbahn

Title (fr)  
Dispositif pour la déshydratation d'une bande

Publication  
**EP 1088936 A3 20010905 (DE)**

Application  
**EP 00115691 A 20000721**

Priority  
DE 19946971 A 19990930

Abstract (en)  
[origin: US6381868B1] Apparatus and process for dewatering a material web. The apparatus includes at least one pressure chamber formed by at least four substantially parallel rolls, a device arranged to introduce a pressurized gas into the at least one pressure chamber, and the at least four substantially parallel rolls being displaceable relative to one another to change an effective area of the at least one pressure chamber. The material web is guided through the at least one pressure chamber. The process includes pressurizing at least one pressure chamber with a gas medium, guiding the material web through the pressure chamber, driving water out of the material web using gas pressure within the at least one pressure chamber, and changing an effective area of the pressure chamber so as to adjust a dewatering capacity.

IPC 1-7  
**D21F 3/04**; **D21F 3/02**

IPC 8 full level  
**D21F 3/02** (2006.01); **D21F 3/04** (2006.01)

CPC (source: EP US)  
**D21F 3/0254** (2013.01 - EP US)

Citation (search report)

- [A] DE 2829226 A1 19790125 - TAMPELLA OY AB
- [A] EP 0069667 A2 19830112 - WEBSTER DAVID R
- [A] US 3293121 A 19661220 - MARTIN FREDERICK A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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