

Title (en)
Sealing arrangement

Title (de)
Dichtungseinrichtung

Title (fr)
Dispositif d'étanchéité

Publication
EP 0943729 B1 20040317 (DE)

Application
EP 98124724 A 19981228

Priority
DE 19811355 A 19980316

Abstract (en)
[origin: EP0943729A2] The sealing element (14) is pressed against the moving surface (12) by a loading device, e.g. a flexible hose (18) expanded by hydraulic pressure. An unloading device, e.g. a pneumatically inflated hose (20) acts in the opposite direction. By controlling the pressures in the hoses (18,20) the sealing gap (40) can be controlled at the desired value to reduce wear. When the paper machine is started up only the loading device (18) is activated. Once the machine is up to speed the unloading device (20) comes into action to reduce the load to the desired value. Pairs of loading elements can be inflated differentially to give a tapered sealing gap (40).

IPC 1-7
D21F 3/10

IPC 8 full level
D21F 1/48 (2006.01); **D21F 3/10** (2006.01); **D21F 7/00** (2006.01)

CPC (source: EP US)
D21F 1/483 (2013.01 - EP US); **D21F 3/10** (2013.01 - EP US)

Cited by
US10246825B2; WO2007065833A1; WO2016040975A1; WO2016040974A2; WO2007099203A1

Designated contracting state (EPC)
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