

Title (en)
Press arrangement

Title (de)
Pressenanordnung

Title (fr)
Dispositif de pressage

Publication
EP 0823508 A3 19990203 (DE)

Application
EP 97111150 A 19970703

Priority
DE 19631638 A 19960805

Abstract (en)
[origin: EP0823508A2] A press (10) in a paper or cardboard manufacturing machine to process pulp web (12) has a gap (14) extending in the web travel direction (L) and bounded by two pressure surfaces, one at least being formed from a flexible cover (18) over a shoe or saddle (16). Between shoe and saddle is a fluid cushion enabling pressure to be applied against the opposing surface in such a way that the resultant main press force acting on the saddle is in a direction perpendicular to web going through the gap. Means (28) are provided for loading the saddle with positive or negative auxiliary forces which at least in essence are effective in a direction perpendicular to the main force to impart a tilting moment on the saddle about an axis of tilt extending across the press and perpendicular to web travel. The resultant pressure profile in the web's travel direction is essentially independent of the main press force.

IPC 1-7
D21F 3/02

IPC 8 full level
D21F 3/02 (2006.01)

CPC (source: EP US)
D21F 3/0218 (2013.01 - EP US)

Citation (search report)

- [X] US 4713147 A 19871215 - SAARINEN ESKO [FI]
- [X] DE 4409316 C1 19950629 - ESCHER WYSS GMBH [DE]
- [A] DE 4425915 A1 19960201 - VOITH SULZER PAPIERMASCH GMBH [DE]

Cited by
EP0896088A3; CN100348799C; EP1275773A1

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

DOCDB simple family (publication)
EP 0823508 A2 19980211; EP 0823508 A3 19990203; DE 19631638 A1 19980212; US 5997694 A 19991207

DOCDB simple family (application)
EP 97111150 A 19970703; DE 19631638 A 19960805; US 90573997 A 19970804