

Title (en)
Pressing arrangement

Title (de)
Pressenanordnung

Title (fr)
Dispositif de pressage

Publication
EP 0928843 A3 20001122 (DE)

Application
EP 98121252 A 19981107

Priority
DE 19800807 A 19980112

Abstract (en)
[origin: EP0928843A2] The pressure differential is variable. Preferred features: The differential pressure is used to alter the line pressure differential between shoe pressing unit (12) and backing roller (14). The resulting differential pressure profile transverse to the web is variable and can be controlled. The differential pressure sets a controllable and preferably level line pressure in the roller gap (20). Differential pressure or line pressure differential is locally and continuously variable. To alter the differential pressure produced by the supports (24) of the shoe pressure unit (12), the internal contact pressure acting on the flexible press band (26) is altered. To alter the differential pressure produced by the supports (32) of the backing roller (14), internal contact pressure acting on the roller casing is altered. To vary both differential pressures the internal contact acting on the roller casing (30) is varied. Pressure adjustments are further detailed. Further salient features include the valve used to adjust pressure. Pressure differential adjustment is mechanical, hydraulic, pneumatic, manual, remote or in-situ, during maintenance or on-line. Various corrections are applied. A closed loop control circuit makes the adjustment. Rollers may be cambered. Angular dispositions are quantified.

IPC 1-7
D21F 3/02

IPC 8 full level
D21F 3/02 (2006.01); **D21F 3/06** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)
D21F 3/0218 (2013.01 - EP US); **D21F 3/045** (2013.01 - EP US); **D21F 3/06** (2013.01 - EP US); **D21G 1/022** (2013.01 - EP US)

Citation (search report)
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• [PA] US 5788817 A 19980804 - BENTELE RAINER [DE], et al
• [A] DE 29706432 U1 19970612 - VOITH SULZER PAPIERMASCH GMBH [DE]

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

DOCDB simple family (publication)
EP 0928843 A2 19990714; **EP 0928843 A3 20001122**; **EP 0928843 B1 20031015**; CA 2258342 A1 19990712; DE 19800807 A1 19990715; DE 59809921 D1 20031120; JP 4316709 B2 20090819; JP H11247085 A 19990914; US 6942761 B1 20050913

DOCDB simple family (application)
EP 98121252 A 19981107; CA 2258342 A 19990111; DE 19800807 A 19980112; DE 59809921 T 19981107; JP 520599 A 19990112; US 22865899 A 19990112