

Title (en)
Process for dewatering a fibrous web

Title (de)
Verfahren zur Entwässerung einer Faserstoffbahn

Title (fr)
Procédé pour la déshydratation d' une bande fibreuse

Publication
EP 1362948 B1 20060809 (DE)

Application
EP 03016713 A 20000921

Priority

- DE 19946984 A 19990930
- DE 19946982 A 19990930
- EP 00120661 A 20000921
- US 40979499 A 19990930

Abstract (en)
[origin: EP1088933A2] To extract water from a wet web (12), of paper or cardboard, it is passed through a water extraction zone (E) which is divided into a number of sections (E1-E3) in succession on the direction of web travel (L). Each section has an individually set gas pressure. For the extraction of water from a wet paper/cardboard web, the web is passed through the water extraction zone together with a membrane (16). Gas pressures (14) are applied to the membrane, to displace it against the web. The web is supported by a blanket (18) through the water extraction zone, on the opposite side of the web to the membrane.. The leading water extraction section has a lower gas pressure than in the following section. The final section has a low gas pressure, to maintain the relatively high web volume. An independent claim is included for an assembly to extract water from a wet paper/cardboard web, where the web is carried through a water extraction zone with sections of individually set gas pressures to bear against a membrane on one side of the web. A blanket moves through the zone with the web, at its under side.

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

CPC (source: EP)
D21F 3/0254 (2013.01); **D21F 3/0263** (2013.01); **D21F 3/0272** (2013.01); **D21F 3/029** (2013.01); **D21F 3/045** (2013.01)

Cited by
EP1818447A1

Designated contracting state (EPC)
DE FI SE

DOCDB simple family (publication)
EP 1088933 A2 20010404; **EP 1088933 A3 20020821**; **EP 1088933 B1 20050406**; DE 50009970 D1 20050512; DE 50013312 D1 20060921; DE 50013339 D1 20060928; DE 50013759 D1 20061228; EP 1362948 A1 20031119; EP 1362948 B1 20060809; EP 1362949 A1 20031119; EP 1362949 B1 20060816; EP 1362950 A1 20031119; EP 1362950 B1 20061115

DOCDB simple family (application)
EP 00120661 A 20000921; DE 50009970 T 20000921; DE 50013312 T 20000921; DE 50013339 T 20000921; DE 50013759 T 20000921; EP 03016713 A 20000921; EP 03016714 A 20000921; EP 03016715 A 20000921