

Title (en)

Process and apparatus for dewatering a fibrous web

Title (de)

Verfahren und Vorrichtung zur Entwässerung einer Faserstoffbahn

Title (fr)

Procédé et dispositif pour la déshydratation d' une bande fibreuse

Publication

EP 1362949 B1 20060816 (DE)

Application

EP 03016714 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)

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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

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