

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 A1 20031119 (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)

In a process to de-water a web (12) feed of paper or carton, the web passes through a de-watering zone (E) in which the fluid is displaced by pressurized gas (14). The de-watering zone is esp. sub-divided into two or more zones (E1, E2, E3) in each of which the pressure is set individually. The assembly is incorporated within a prior art de-watering press with a sequence of drums. Also claimed is a commensurate de-watering assembly in which the web is transported together with a supporting membrane (16) through a de-watering zone in which the web is exposed to the pressurized gas. As seen in the direction of web travel (L) gas pressure in the first sector (E1) is lower than in the second sector (E2). Pressure in the third sector (E3) is lower than in the second sector. Also claimed is a process to make the supporting membrane (16).

Abstract (de)

Es wird ein Verfahren und eine Vorrichtung zur Entwässerung einer Faserstoffbahn, insbesondere Papier- oder Kartonbahn, beschrieben, wobei die Faserstoffbahn durch eine Entwässerungszone geführt wird, in der sie zumindest teilweise durch eine Beaufschlagung mit unter Druck stehendem Verdrängungsfluid, insbesondere Verdrängungsgas, entwässert wird. Dabei wird die Entwässerungszone in mehrere Sektionen unterteilt, in denen der angelegte Fluid- bzw. Gasdruck individuell einstellbar ist. <IMAGE>

IPC 1-7

D21F 3/02

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)

Citation (search report)

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Designated contracting state (EPC)

DE FI SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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