

Title (en)

Press section of a paper, cardboard, or pulp drying machine.

Title (de)

Presspartie für Papier-, Karton- oder Faserbreitrocknungsmaschine.

Title (fr)

Section de presse pour une machine à papier, carton ou pour le séchage de pâte à papier.

Publication

**EP 0400843 A2 19901205 (EN)**

Application

**EP 90305355 A 19900517**

Priority

FI 892705 A 19890602

Abstract (en)

A press section of a paper, cardboard, or pulp drying machine with several separate press nips (N1, N2, N3) in the direction of the passage of the web (W), wherein the said press nips remove considerable quantities of water from the web (W). Each nip is formed between two press rolls (21,31; 41,51; 61,71), and in the first two nips (N1 N2) the web (W) runs between two water-receiving press felts (20,30; 40,50; 60,70). Dewatering takes place in the said nips (N1, N2) through both surfaces of the web (W), wherein the said nips (N1, N2) are formed between two open-faced rolls. Transfer felt or felts (1; 101, 201, 301) are arranged in the press section, wherein the said transfer felt or felts are permeable to water and do not absorb considerable quantities of water into themselves, and wherein the said transfer felt or felts are arranged to run through the said press nips (N1, N2, N3) formed by open-faced rolls, between the second press felt (30, 50, 70) of the nip and the web (W), in order to considerably support the web (W) on the runs between the nips (N1, N2, N3) to achieve closed draw of the web.

IPC 1-7

**D21F 3/04**

IPC 8 full level

**D21F 3/04** (2006.01)

CPC (source: EP KR)

**D21F 3/04** (2013.01 - EP); **D21F 5/00** (2013.01 - KR)

Cited by

US5772849A; US5972170A; DE4331319A1; US5302252A; US7601244B2; US5904811A; US5855739A; US6103062A; US6051105A; US5830316A; US5861082A; US5795440A; US5846379A; US5776307A; US5580423A; US5637194A; US7462257B2; WO2006068678A1

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0400843 A2 19901205; EP 0400843 A3 19920102**; CA 2017864 A1 19901202; CN 1047715 A 19901212; FI 892705 A0 19890602; FI 892705 A 19901203; JP H038882 A 19910116; KR 910001171 A 19910130

DOCDB simple family (application)

**EP 90305355 A 19900517**; CA 2017864 A 19900530; CN 90104077 A 19900601; FI 892705 A 19890602; JP 14170490 A 19900601; KR 900008237 A 19900602