Title (en)

Press section

Title (de)

Pressenpartie

Title (fr)

Section de pressage

Publication

EP 1048780 A2 20001102 (DE)

Application

EP 00104784 A 20000306

Priority

DE 19919051 A 19990427

Abstract (en)

The press section, at a machine for the prodn. of a fiber paper or cardboard web, has press belts (8-11) which run separatel over guides (13) at the guide zones (12) at the opposite ends flanking the roller press gaps (6,7). The press belt angle (14) between the press belts (8-11) is ≥ 15 degrees . The fiber web (1) is supported by at least one press belt (8-11) at the press section. Pref. all the press belts (8-11) are press blankets. The belt guides (13) are rotating rollers with a radius pref. ≤ 0.8 m. At least one guide roller (13) is on a movab mounting. The press belt angle (14) is set by the position of a guide roller (13), pref. as a bisection of the belt angle round A belt guide zone (12) is in front of and after the roller press gaps (6,7). The guide zones (12) have a pref. length of ≥ 0. Both press belts (8-11) for at least one roller press gap (6,7) travel separately before and/or after the press gaps (6,7), with press belt angle (14) between them of ≥ 15 degrees and pref. at least partially ≥ 30 degrees . Where the press belts (8-11 move over each other, the belt (9) not in contact with the fiber web (1) has a unit (15) to remove a carried air layer on the si towards the web (1) pref. as a scraper, compressed air jet or a suction roller.

Abstract (de)

Die Erfindung betrifft eine Pressenpartie einer Maschine zur Herstellung einer Faserstoffbahn (1) insbesondere einer Papier-, Karton- oder Tissuebahn mit wenigstens zwei in Bahnlaufrichtung hintereinander liegenden und von jeweils zwei Presswalzen (2, 3, 4, 5) gebildeten Preßspalten (6, 7), wobei um jede Presswalze (2,3,4,5) zumindest ein separates, endlos umlaufendes Pressband (8, 9, 10, 11) geführt ist und die Faserstoffbahn (1) vor und/oder nach wenigstens einem Preßspalt (6, 7) in einem Führungsbereich (12) gemeinsam mit zwei gegenüberliegenden Pressbändern (8, 9, 10, 11) über eine gerade Strecke verläuft. Das Flattern der Faserstoffbahn (1) sowie der Pressbänder (8, 9, 10, 11) soll dabei dadurch verringert werden, daß die Pressbänder (8, 9, 10, 11) an dem, dem Preßspalt (6, 7) gegenüberliegenden Ende jedes Führungsbereiches (12) über Leitelemente (13) derart voneinander getrennt verlaufen, daß der Pressbandwinkel (14) zwischen den Pressbändern (8, 9, 10, 11) größer als 15° ist. <IMAGE>

IPC 1-7

D21F 3/04

IPC 8 full level

D21F 3/02 (2006.01); **D21F 3/04** (2006.01)

CPC (source: EP US)

D21F 3/04 (2013.01 - EP US); **D21F 3/045** (2013.01 - EP US)

Cited by

AT15442U1; DE102011083367A1; DE102011081239A1; DE102011083308A1; WO2013041341A1; DE102011005747A1; WO2012126875A1

Designated contracting state (EPC)

DE FI SE

DOCDB simple family (publication)

EP 1048780 A2 20001102; **EP 1048780 A3 20010816**; **EP 1048780 B1 20050302**; DE 19919051 A1 20001102; DE 50009614 D1 20050407; US 6375800 B1 20020423

DOCDB simple family (application)

EP 00104784 A 20000306; DE 19919051 A 19990427; DE 50009614 T 20000306; US 54867900 A 20000413