

Title (en)

Method and device for combining two suspension layers

Title (de)

Verfahren und Vorrichtung zum Zusammenführen zweier Suspensionsschichten

Title (fr)

Procédé et dispositif pour réunir deux couches de suspension

Publication

EP 0936306 A1 19990818 (DE)

Application

EP 99101270 A 19990123

Priority

DE 19806402 A 19980217

Abstract (en)

A process to combine a fiber suspension layer (1) with a further fiber suspension layer (2), where they are both brought together by layer carriers (3,4) into a wedge-shaped gap (5) for water extraction. The sides of the suspension layers (1,2) are restrained by guide surfaces (6,7). The guide surfaces are in contact with the sides of the suspensions directly before they come together and when they are combined, with no guide surface movement, or only a very restricted movement play. The guide surface contours are parallel to the layer carriers (3,4). An Independent claim is included for an apparatus with a fixed displacement body (10) in front of the wedge gap (5), with the guide surfaces (6,7). One guide surface (6) is generally parallel to the outer periphery of the facing cylinder section, and the other guide surface (7) is generally parallel to the facing fourdrinier (8). At least two fiber suspensions are fed into the wedge gap (5) from a stock inlet (11) at the upstream end of the wedge gap (5), between the cylinder (9) and the displacement body (10).

Abstract (de)

Das Verfahren dient dem Zusammenführen von mindestens zwei Suspensionsschichten und wird insbesondere bei der Eindickung, Entwässerung oder Wäsche von Faserstoffsuspensionen verwendet. Es werden zwei bewegte Schichtträger (3, 4) so angeordnet, daß sich ein keilförmiger Spalt (5) bildet, in dem sich erfindungsgemäß ein Verdrängungskörper (10) befindet mit Führungsflächen (6, 7), die parallel zu den Schichtträgern (3, 4) verlaufen. <IMAGE>

IPC 1-7

D21F 1/66

IPC 8 full level

D21D 1/40 (2006.01); **D21F 1/66** (2006.01)

CPC (source: EP US)

D21D 1/40 (2013.01 - EP US); **D21F 1/66** (2013.01 - EP US)

Citation (search report)

- [A] DE 29510527 U1 19950907 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [A] EP 0376446 A2 19900704 - BLACK CLAWSON CO [US]
- [A] WO 9106704 A1 19910516 - RODRIGUEZ PETER A [US], et al

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AT DE FR IT

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