

Title (en)

SUCTION ROLL FOR FORMING OR TREATING A MATERIAL WEB, IN PARTICULAR A PAPER, CARDBOARD OR TEXTILE WEB

Title (de)

SAUGWALZE ZUR BILDUNG ODER BEHANDLUNG EINER MATERIALBAHN WIE INSBESONDERE EINER PAPIER-, KARTON- ODER TEXTILBAHN

Title (fr)

CYLINDRE ASPIRANT POUR FORMER ET TRAITER UNE BANDE DE MATERIAU, NOTAMMENT UNE BANDE DE PAPIER, DE CARTON OU DE TEXTILE

Publication

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Application

EP 97942871 A 19970822

Priority

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- EP 9704586 W 19970822

Abstract (en)

[origin: US6200427B1] Suction roll for the formation or treatment of a material web that includes an outer suction roll jacket comprising a perforated rotating hollow cylinder, a non-perforated support body arranged to extend through the outer suction roll jacket and to support the outer suction roll jacket at at least one point of its axial extent, and sealing ribs arranged to extend radially between the support body and the suction roll jacket and axially over a full length of the suction roll jacket. In this manner, the support body is adapted to rotate at a same speed as the suction roll jacket. The support body can include an axially extending, through-going bore arranged concentrically with the outer suction roll surface. An axially extending, rotationally fixed yoke extends through the through-going bore, and the rotationally fixed yoke has two ends which are supported outside of the support body on a frame. At least one support element is arranged to support the support body on the yoke. In this way, a bending line of the support body is capable of being influenced.

IPC 1-7

D21F 3/10

IPC 8 full level

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CPC (source: EP US)

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