

Title (en)
Twin-wire former

Title (de)
Doppelsiebformer

Title (fr)
Section de formage à deux toiles

Publication
EP 0967323 A2 19991229 (DE)

Application
EP 99101848 A 19990128

Priority
DE 19828237 A 19980625

Abstract (en)
The double-fourdrinier section of a papermaking machine, has a lateral support bar (9) which applies an underpressure to the outer fourdrinier (11). The support bar (9) has a sliding surface (9a) in contact with the outer fourdrinier (11), followed by a foil surface (9b) in the direction of fourdrinier travel, which diverges from the fourdrinier surface to create an underpressure. The sliding surface (9a) is pressed against the outer fourdrinier (11) with a pliable pressure. As seen in cross section through the bar (9), the downstream section is supported by a swivel (7), while the upstream zone is held by a pliable setting unit such as a pneumatic hose (6). The gap can be varied between the swivel (7) and the outer fourdrinier (11), and the angle between the foil surface (9b) and the outer fourdrinier (11) can be set to give the required level of underpressure. The position of the support system can be varied parallel to the direction of fourdrinier travel, as a support shoe or suction box and the like which is pressed plially against the outer fourdrinier. The support unit (9) is in the loop of the lower fourdrinier (11) and the roller (14) to form the wet pulp web within the loop of the upper fourdrinier (12). The two fourdriniers (11,12) can run upwards, from below, between the web forming roller (14) and the support (9), or downwards from above.

Abstract (de)
Doppelsiebformer zum Bilden einer Faserstoffbahn mit zwei endlose, umlaufende Siebbänder (11,12) die miteinander eine Doppelsiebzone bilden. Die zwei Siebbänder (11,12) laufen gemeinsam über eine Formierwalze (14), wobei das eine Siebband (12) in direkten Kontakt mit der Formierwalze (14) kommt und daß im Bereich des Ablaufstelle der beiden Siebbänder (11,12) von der Formierwalze (14) auf der Seite des äußeren Siebbandes (11) eine Unterdruckzone gebildet wird z.B. mittels einer sogenannten Foilleiste (9). <IMAGE>

IPC 1-7
D21F 9/00

IPC 8 full level
D21F 9/00 (2006.01)

CPC (source: EP US)
D21F 9/003 (2013.01 - EP US)

Designated contracting state (EPC)
AT DE FI SE

DOCDB simple family (publication)
EP 0967323 A2 19991229; EP 0967323 A3 20000105; EP 0967323 B1 20030102; AT E230454 T1 20030115; DE 19828237 A1 19991230; DE 59903896 D1 20030206; US 6254727 B1 20010703

DOCDB simple family (application)
EP 99101848 A 19990128; AT 99101848 T 19990128; DE 19828237 A 19980625; DE 59903896 T 19990128; US 31074599 A 19990513