

Title (en)  
Drainage foil for a paper machine

Title (de)  
Siebleiste für Papiererzeugungsanlagen

Title (fr)  
Racle d'égouttage pour une machine à papier

Publication  
**EP 1577437 B1 20090114 (DE)**

Application  
**EP 04450232 A 20041217**

Priority  
AT 4632004 A 20040317

Abstract (en)  
[origin: EP1577437A1] Support strip (1) and plate (3) are joined by mechanical interlocking. One, e.g. the plate (3), includes an undercut groove (4), whilst the other e.g. the strip, has a matched interlocking projection forming a holding strip (2). The holding strip is wedged into the groove. The support strip comprises two sections (11, 12) which are adjustable with respect to each other, enabling it to be clamped around the plate projection. The sections are elastic limbs (11, 12) or they are articulated together. They are matched profiles which can be brought into mutual contact. An adjuster (6) sets the clamped position. The adjuster is a screw exerting tension or pressure, or alternatively it is a flexible pressure tube. Further variations of the fixing profiles are described, in accordance with the foregoing principles. The flexible tubing is used as a locking component, being subjected internally to a pressure medium, especially hydraulic. When it is formed as a sealed tube containing a pressure fluid, the internal pressure increases in accordance with the working temperature.

IPC 8 full level  
**D21F 1/48** (2006.01); **D21F 1/52** (2006.01)

CPC (source: EP US)  
**D21F 1/483** (2013.01 - EP US)

Citation (examination)  
US 3393124 A 19680716 - KLINGLER EMIL A, et al

Cited by  
US10246825B2; DE102009008365B4; EP1881107A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1577437 A1 20050921; EP 1577437 B1 20090114**; AT 500283 A1 20051115; AT 500283 B1 20060515; AT 500283 B8 20070215; AT E420992 T1 20090115; BR PI0500596 A 20051108; BR PI0500596 B1 20150804; CA 2497657 A1 20050917; CA 2497657 C 20120619; CN 1670304 A 20050921; CN 1670304 B 20110504; DE 502004008864 D1 20090305; ES 2319898 T3 20090514; JP 2005264422 A 20050929; JP 4494256 B2 20100630; US 2005205227 A1 20050922; US 7387709 B2 20080617

DOCDB simple family (application)  
**EP 04450232 A 20041217**; AT 04450232 T 20041217; AT 4632004 A 20040317; BR PI0500596 A 20050224; CA 2497657 A 20050218; CN 200510051246 A 20050303; DE 502004008864 T 20041217; ES 04450232 T 20041217; JP 2005062717 A 20050307; US 6567605 A 20050224