

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

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