

Title (en)
Headbox

Title (de)
Stoffauflauf

Title (fr)
Caisse de tête

Publication
EP 0997577 B1 20031112 (DE)

Application
EP 99112933 A 19990705

Priority
DE 19845722 A 19981005

Abstract (en)
[origin: US6248214B1] Headbox for a paper machine having a feed part, a central part extending across the machine width, and a nozzle. The nozzle extends across the machine width and has at least one continuous wall that runs across the machine width transverse to the lengthwise flow. For absorbing and discharging nozzle expansion forces in a sectional manner, several separate individual support devices distributed across the machine width for influencing the nozzle aperture are attached to the at least one, preferably continuous wall. The resulting lines of force of each support device remain at least substantially in a plane lying perpendicular to the direction of the machine width and in the flow direction, and the corresponding supporting forces individually, at least substantially, are directed to and absorbed in the central part in the plane of the flow direction.

IPC 1-7
D21F 1/02

IPC 8 full level
D21F 1/02 (2006.01)

CPC (source: EP US)
D21F 1/02 (2013.01 - EP US); **D21F 1/026** (2013.01 - EP US); **D21F 1/028** (2013.01 - EP US)

Cited by
DE102009045221A1; DE102008042032A1

Designated contracting state (EPC)
AT DE FI SE

DOCDB simple family (publication)
US 6248214 B1 20010619; AT E254207 T1 20031115; DE 19845722 A1 20000406; DE 59907703 D1 20031218; EP 0997577 A1 20000503; EP 0997577 B1 20031112

DOCDB simple family (application)
US 41183199 A 19991004; AT 99112933 T 19990705; DE 19845722 A 19981005; DE 59907703 T 19990705; EP 99112933 A 19990705