

Title (en)  
Three layers headbox

Title (de)  
Dreischichtenstoffauflauf

Title (fr)  
Caisse de tête à trois couches

Publication  
**EP 0814195 B1 20021127 (DE)**

Application  
**EP 97107984 A 19970516**

Priority  
DE 19624052 A 19960617

Abstract (en)  
[origin: US6059929A] A three layer headbox for producing a multilayer fiber web. The headbox has top and bottom walls inclined toward each other toward the outlet of the headbox. Top and a bottom separating blades in the headbox, the top blade defining a first chamber toward the top wall, the bottom blade being below defining a second chamber between the blades and also defining a third chamber between the bottom blade and the bottom wall. A respective pulp inlet to each of the three chambers. One of the top and bottom blades being hingedly supported at its upstream end to be adjustable in position for affecting the speed of pulp suspension in respective layers in the chambers affected by the orientation of the blade. The pulp suspension layers passing through a headbox are delivered to a paper machine forming section wire and the three streams from the headbox are combined directly before or upon impingement on the wire. Various velocities of the pulp suspension in each of the layers are obtainable and relatively adjustable with reference to each other.

IPC 1-7  
**D21F 1/02**; **D21F 1/06**; **D21F 11/04**

IPC 8 full level  
**D21F 1/02** (2006.01); **D21F 1/06** (2006.01); **D21F 11/04** (2006.01)

CPC (source: EP US)  
**D21F 1/02** (2013.01 - EP US); **D21F 1/028** (2013.01 - EP US); **D21F 11/04** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
AT DE FI SE

DOCDB simple family (publication)  
**US 6059929 A 20000509**; AT E228595 T1 20021215; CA 2207971 A1 19971217; CA 2207971 C 20060905; DE 19624052 A1 19961212; DE 59708797 D1 20030109; EP 0814195 A2 19971229; EP 0814195 A3 19980107; EP 0814195 B1 20021127; JP 4049846 B2 20080220; JP H1053990 A 19980224

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**US 87725897 A 19970617**; AT 97107984 T 19970516; CA 2207971 A 19970616; DE 19624052 A 19960617; DE 59708797 T 19970516; EP 97107984 A 19970516; JP 16023997 A 19970617