

Title (en)

Multi-layer headbox

Title (de)

Mehrschicht-Stoffauflauf

Title (fr)

Caisse de tête à plusieurs couches

Publication

EP 1348803 A3 20040310 (DE)

Application

EP 03100381 A 20030219

Priority

DE 10213853 A 20020327

Abstract (en)

[origin: EP1348803A2] A laminar paper-making machine has a discharge unit (10) with a number of jet chambers (12, 14, 16), one for each layer. Each layer passes through an outlet slot (18, 20, 22). The jet chambers are esp. are all or partly of different length (S). The maximum length of each jet chamber is approx. 800 mm. The minimum jet chamber length is pref. 300 mm. The discharge unit (10) is designed for e.g. three layers of paper, the outer chambers (12, 14) are of the same length but are longer than the inner chamber (16). The middle jet (16) incorporates an extended centre-section (36) which is positioned between two vortex generators (34', 34).

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)

Citation (search report)

- [X] US 4376012 A 19830308 - BERGSTROM JAN I
- [X] GB 2119824 A 19831123 - KARLSTAD MEKANISKA AB
- [DX] EP 0581051 B1 19951129 - VOITH SULZER PAPIERMASCH GMBH [DE]

Designated contracting state (EPC)

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EP 1348803 A2 20031001; EP 1348803 A3 20040310; EP 1348803 B1 20100505; AT E466994 T1 20100515; DE 10213853 A1 20031016; DE 50312683 D1 20100617; US 2003183352 A1 20031002; US 6962646 B2 20051108

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