

Title (en)
Multi-layer headbox.

Title (de)
Mehrschichten-Stoffauflauf.

Title (fr)
Caisse de tête à plusieurs couches.

Publication
EP 0681057 A3 19970416 (DE)

Application
EP 95106390 A 19950427

Priority
DE 4415053 A 19940429

Abstract (en)
[origin: EP0681057A2] A multilayer pulp dispenser, part of a machine producing multi-layer fibrous material, esp. paper web, comprises (1) at least two suspension current levels (I, II, III) each with suspension feed (1.1, 1.2, 1.3); (2) for each level a section with means in the current for micro-turbulence prodn., where the turbulence producers discharge into a nozzle (4) with machine-wide exit gap (8); and (3) at least one lamella (5, 5.1, 5.2) in the nozzle to maintain sepn. of neighbouring streams till they reach the exit. The lamella is formed as a pliable plate from the turbulence generators (3) region to the exit and has downstream end of max. thickness, S, 0.3 mm. <IMAGE>

IPC 1-7
D21F 1/00; **D21F 1/02**

IPC 8 full level
D21F 1/00 (2006.01); **D21F 1/02** (2006.01); **D21F 9/00** (2006.01)

CPC (source: EP US)
D21F 1/02 (2013.01 - EP US); **D21F 1/028** (2013.01 - EP US); **D21F 9/006** (2013.01 - EP US)

Citation (search report)

- [XY] DE 3502885 A1 19860731 - MITSUBISHI HEAVY IND LTD [JP]
- [Y] EP 0147350 A2 19850703 - BELOIT CORP [US]
- [AX] DE 2824608 A1 19790125 - TAMPELLA OY AB
- [DXA] DE 2916351 A1 19791108 - KARLSTAD MEKANISKA AB
- [A] DE 4323263 A1 19940113 - VOITH GMBH J M [DE]
- [DA] DE 3704462 A1 19880811 - ESCHER WYSS GMBH [DE]
- [A] WO 8102903 A1 19811015 - VALMET OY [FI], et al
- [A] US 4941950 A 19900717 - SANFORD CHARLES L [US]
- [A] US 5013406 A 19910507 - HERGERT RICHARD R [US]

Cited by
DE19962709A1; AT406171B; DE102018120162A1; DE10051802A1; EP1199403A3; DE202009013111U1; US6761801B2; WO9851856A1; EP2098635A2; DE102008000564A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
EP 0681057 A2 19951108; **EP 0681057 A3 19970416**; **EP 0681057 B1 20020828**; AT E222971 T1 20020915; DE 59510338 D1 20021002; US 5849159 A 19981215

DOCDB simple family (application)
EP 95106390 A 19950427; AT 95106390 T 19950427; DE 59510338 T 19950427; US 80113297 A 19970227