

Title (en)

Headbox of a machine for making a fibrous web, in particular a paper or board web

Title (de)

Stoffauflauf für eine Maschine zur Herstellung einer Faserstoffbahn, insbesondere einer Papier- oder Kartonbahn

Title (fr)

Caisse de tête d'une machine de fabrication d'une bande fibreuse, en particulier une bande de papier ou de carton

Publication

EP 1734178 A1 20061220 (DE)

Application

EP 06112919 A 20060421

Priority

DE 102005027354 A 20050613

Abstract (en)

A paper mill has a head-box discharging a fibrous suspension through a horizontal slit (10). The headbox incorporates a dilution station discharging liquid through a number of outlets into a side-by-side array of mixing chambers (5). Each mixing chamber receives a flow (CT) of differing consistency and discharges a flow of another second consistency (TM). The mixer chambers (5) are located upstream of a full-width mixing chamber (7) receiving the second consistency suspension and incorporates vortex generators (8) discharging via outlet jets (9) to the horizontal slit (10). The full-width mixer chamber (7) has a series of upright guide vanes (16) with swivel-yaw fixtures.

IPC 8 full level

D21F 1/02 (2006.01)

CPC (source: EP)

D21F 1/02 (2013.01); **D21F 1/026** (2013.01); **D21F 1/06** (2013.01); **D21F 1/08** (2013.01)

Citation (search report)

- [X] DE 4237310 A1 19930408 - VOITH GMBH J M [DE]
- [E] EP 1659214 A1 20060524 - VOITH PAPER PATENT GMBH [DE]
- [A] EP 1496150 A1 20050112 - VOITH PAPER PATENT GMBH [DE]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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