

Title (en)

Process and headbox for a machine for making a fibrous web

Title (de)

Verfahren und Stoffauflauf einer Maschine zur Herstellung einer Faserstoffbahn

Title (fr)

Procédé et caisse de tête pour une machine de fabrication d' une bande fibreuse

Publication

**EP 1342834 A3 20050601 (DE)**

Application

**EP 03100240 A 20030205**

Priority

DE 10208640 A 20020228

Abstract (en)

[origin: EP1342834A2] Production of fibrous material web from a pulp suspension that is supplied from a headbox having a headbox nozzle (18) with a lamella (10) comprises supplying a pulp suspension stream toward the headbox nozzle; and generating cross flows inside the pulp suspension stream due to structures (14) one of in and on a surface of the lamella, where the cross flows lead to shear flows in the suspension stream. An Independent claim is also included for a process for forming a headbox for producing a fibrous material web from a pulp suspension to form of a paper or cardboard web comprising providing a structured surface with a structure of the lamella, where the structured surface is arranged to generate cross flows inside the pulp suspension where the cross flows lead to shear flows in the suspension stream.

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**D21F 1/02**

IPC 8 full level

**D21F 1/02** (2006.01)

CPC (source: EP US)

**D21F 1/02** (2013.01 - EP US); **D21F 1/028** (2013.01 - EP US)

Citation (search report)

- [X] US 5639352 A 19970617 - RUF WOLFGANG [DE], et al
- [X] GB 1358197 A 19740626 - BELOIT CORP
- [PX] DE 10133552 A1 20030123 - VOITH PAPER PATENT GMBH [DE]
- [A] DE 527129 C 19310613 - VOITH MASCHF J M
- [E] EP 1403424 A1 20040331 - VOITH PAPER PATENT GMBH [DE]
- [A] DE 19652983 A1 19970528 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [A] US 4812208 A 19890314 - YUASA MASAMI [JP], et al

Designated contracting state (EPC)

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