

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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