

Title (en)

Headbox of a machine for producing a sheet of fibrous material

Title (de)

Stoffauflauf einer Maschine zur Herstellung einer Faserstoffbahn

Title (fr)

Caisse de tête d'une machine destinée à la fabrication d'une bande de matière fibreuse

Publication

**EP 1881106 B1 20120328 (DE)**

Application

**EP 07112599 A 20070717**

Priority

DE 102006033847 A 20060721

Abstract (en)

[origin: EP1881106A1] The nozzle includes a combination of longer plates (11.1, 11.2) and shorter plates (11.3, 11.4). The longer plates are associated with the nozzle wall (5) which includes the aperture plate (13). The longer plates have a length (LL) of 80% - 120% of the length (LD) of the nozzle. At least some plates, preferably all of them, are adjustable in length. Plates have only two different lengths. All plates have an at least locally-textured surface. The nozzle wall (6) which is free of plates, has an adjustable overhang (L) of up to 20 mm. The nozzle wall (6) has an adjustable projection (V) to gap height ratio of preferably 1 : 5. The aperture plate (13) has a main surface (17) in contact with the fibrous suspension, which runs parallel to the inner surface (18) of the associated nozzle wall. A variant of the nozzle design includes a central separating wedge between longer and shorter plates, pointing in the flow direction. The nozzle feeds a gap former between two recirculating, continuous sieve belts in a web-forming and dewatering arrangement. The nozzle wall with the aperture plate is arranged on the same- or the opposite side as the former. The former is a forming roller or a forming shoe, and is complemented by a breast roller.

IPC 8 full level

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CPC (source: EP)

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