

Title (en)

Method and equipment for forming of a paper or board web

Title (de)

Verfahren und Vorrichtung zur Bildung einer Papier- oder Kartonbahn

Title (fr)

Procédé et équipement de formation d'une bande de papier ou de carton

Publication

EP 1813721 A1 20070801 (EN)

Application

EP 06126500 A 20061219

Priority

FI 20065056 A 20060127

Abstract (en)

Method and equipment for the forming of a paper or board web. The headbox (17) is sealed in relation to the wires (11, 12) so that the pulp suspension is transferred from the headbox (17) to the forming zone as a closed jet without free boundary surfaces. The forming zone comprises the first dewatering element (23), which is located inside the first wire loop (11), and the second dewatering element (24), which is located inside the second wire loop (12), so that between them, they provide the borders for the initial dewatering zone which narrows in the flow direction. In the initial dewatering zone, water is removed from the pulp suspension through the openings (26, 27) in the cover of the dewatering elements (23, 24). After the initial dewatering zone, the wires (11, 12) are led over the curved cover of the forming shoe (29) while at the same time pressure pulses are exerted on the pulp suspension located between the wires (11, 12) by means of dewatering blades (28) located on the cover of the forming shoe (29). The length (L 0) of the initial dewatering zone bordered by the dewatering elements (23, 24) is at the most 50 % of the length (L 1) of the forming shoe (29) following it.

IPC 8 full level

D21F 9/00 (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP FI)

D21F 1/00 (2013.01 - FI); **D21F 1/02** (2013.01 - EP); **D21F 1/028** (2013.01 - EP); **D21F 9/003** (2013.01 - EP)

Citation (search report)

[A] DE 29702548 U1 19970410 - VOITH SULZER PAPIERMASCH GMBH [DE]

Cited by

EP2092117A4; US9333468B2

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