

Title (en)

SHEET-FORMING UNIT FOR PRODUCING A MATERIAL WEB, AND METHOD FOR OPERATING THE SHEET-FORMING UNIT

Title (de)

BLATTBILDUNGSEINHEIT ZUR HERSTELLUNG EINER MATERIALBAHN UND VERFAHREN ZUM BETREIBEN DER  
BLATTBILDUNGSEINHEIT

Title (fr)

UNITÉ DE FORMATION DE FEUILLE POUR FABRIQUER UNE BANDE DE MATÉRIAU ET PROCÉDÉ POUR FAIRE FONCTIONNER L'UNITÉ  
DE FORMATION DE FEUILLE

Publication

**EP 2630293 B1 20180110 (DE)**

Application

**EP 11761603 A 20110928**

Priority

- DE 102010042604 A 20101019
- EP 2011066832 W 20110928

Abstract (en)

[origin: WO2012052263A1] The invention relates to a sheet-forming unit (1) of a papermaking machine, in particular of a tissue machine, for producing a fibrous web (2), having a headbox (3) which outputs a suspension jet (4) and having an inner fabric (5) and an outer fabric (6) which in each case form a loop, wherein a forming element (7) is arranged within the loop of the inner fabric (5) and guide rolls (8, 9, 10, 11) and a white-water box (12) for receiving the white water (13) which accumulates in the region of the forming element (7) are arranged within the loop of the outer fabric (6), wherein the inner fabric (5) and the outer fabric (6) form a gap for receiving the suspension jet (4) and jointly wrap around the forming element (7) at least partially in a wraparound region (14). The sheet-forming unit (1) according to the invention is distinguished by the fact that a machine-wide guide element (15) is arranged in the wraparound region (14) within the loop of the outer fabric (6) in such a way that the white water (13) is formed into a jet and is directed into the white-water box (12) in such a way that a contact surface is produced between the jet and the chamber (16) which is formed by the loop of the outer fabric (6) for receiving water mist and/or that, in the region of at least one of the guide rolls (8, 9, 10, 11) of the outer fabric (6), a machine-wide guide apparatus (17, 18) is provided outside the chamber (16) which is formed by the loop of the outer fabric (6).

IPC 8 full level

**D21F 1/40** (2006.01); **D21F 1/66** (2006.01); **D21F 9/00** (2006.01)

CPC (source: EP US)

**D21F 1/40** (2013.01 - US); **D21F 1/66** (2013.01 - EP US); **D21F 9/003** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102010042604 A1 20120419**; CN 103270215 A 20130828; CN 103270215 B 20160706; EP 2630293 A1 20130828;  
EP 2630293 B1 20180110; US 2013233502 A1 20130912; US 2014290885 A1 20141002; US 8784614 B2 20140722; US 9011642 B2 20150421;  
WO 2012052263 A1 20120426

DOCDB simple family (application)

**DE 102010042604 A 20101019**; CN 201180061106 A 20110928; EP 11761603 A 20110928; EP 2011066832 W 20110928;  
US 201313864892 A 20130417; US 201414308698 A 20140618