

Title (en)

Method for producing a fiber web and production line for producing a fiber web

Title (de)

Verfahren zur Herstellung einer Faserstoffbahn und Produktionslinie zum Herstellen einer Faserstoffbahn

Title (fr)

Procédé de production d'une bande de fibres et ligne de fabrication d'une bande de fibres

Publication

EP 2765237 B1 20161123 (EN)

Application

EP 13154162 A 20130206

Priority

EP 13154162 A 20130206

Abstract (en)

[origin: EP2765237A1] The invention relates to a method for producing a fiber web (W), in which method the fiber web (W) is calendered in at least one calender (40; 70). Curl of the fiber web (W) is controlled by cooling the fiber web (W) before calendering the fiber web (W) in precalender (40) and/or in another calender (70). Dwell time between cooling and calendering, which is the time the fiber web (W) run takes from the first point of the cooling device (200) or moistening device (100) to the first calendering nip of the pre- or the other calender (40; 70), is at least 200 ms, preferably 200 - 5000 ms. The invention also relates to a production line for producing a fiber web (W), which comprises at least one calender (40; 70). For controlling the curl of the fiber web (W) the production line comprises at least one cooling device (200) located before a precalender (40) and/or another calender (70) and the distance between the first point of the cooling device (200) and the entering point of the fiber web (W) to first calendering nip of the pre- or the other calender (40; 70) is such that dwell time between the cooling and the calendering is at least 200 ms, preferably 200 - 5000 ms.

IPC 8 full level

D21G 1/00 (2006.01); **D21F 11/00** (2006.01)

CPC (source: EP)

D21F 11/00 (2013.01); **D21G 1/0093** (2013.01)

Citation (opposition)

Opponent : Andritz Küsters GmbH

- WO 0017446 A1 20000330 - INT PAPER CO [US]
- WO 02103109 A1 20021227 - METSO PAPER INC [FI], et al
- EP 1486610 A1 20041215 - VOITH PAPER PATENT GMBH [DE]
- EP 1541759 A1 20050615 - VOITH PAPER PATENT GMBH [DE]
- WO 2005042837 A1 20050512 - METSO PAPER INC [FI], et al
- DE 29813663 U1 19981126 - VIB APPARATEBAU GMBH [DE]
- DE 3542342 A1 19860605 - WAERTSILAE OY AB [FI]
- DE 3815463 C2 19900201
- DE 69834820 T2 20061109 - METSO PAPER INC [FI]
- DE 69828812 T2 20060330 - METSO PAPER INC [FI]

Cited by

US10094067B2

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 202013011389 U1 20140120; EP 2765237 A1 20140813; EP 2765237 B1 20161123

DOCDB simple family (application)

DE 202013011389 U 20131220; EP 13154162 A 20130206