

Title (en)

Method for producing fiber webs and production line for producing fiber webs

Title (de)

Verfahren zur Herstellung von Faserstoffbahnen und Anlage zur Herstellung von Faserstoffbahnen

Title (fr)

Procédé de production d'une bande fibreuse et ligne de production d'une bande fibreuse

Publication

**EP 2682520 A1 20140108 (EN)**

Application

**EP 12174715 A 20120703**

Priority

EP 12174715 A 20120703

Abstract (en)

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 calendering nip (NA; NB) of at least one calender (20A; 20B) and reeled up in a reel-up (40). The fiber web (W) is cooled by cooling means (10A; 10B) before calendering to temperatures of not higher than 40 °C, preferably to temperature in the range of 10 - 30 °C. The invention also relates to a production line for producing fiber webs (W), which comprises at least one calender (20A; 20B) with at least one calendering nip (NA; NB) and a reel-up (40) after the calender (20A; 20B). The production line comprises at least one cooling means (10A; 10B) before the at least one calender (20A; 20B) for cooling the fiber web to temperatures of not higher than 40 °C, preferably to temperature in the range of 10-30 °C.

IPC 8 full level

**D21G 1/00** (2006.01)

CPC (source: EP)

**D21G 1/0093** (2013.01)

Citation (applicant)

- US 4738197 A 19880419 - MAELKIAE HANNU [US]
- US 5033373 A 19910723 - BRENDDEL BERNHARD [DE], et al
- WO 2006000630 A1 20060105 - METSO PAPER INC [FI], et al
- "Papermaking Science and Technology, section Papermaking Part 3", 1999, FAPET OY, pages: 362

Citation (search report)

- [XY] EP 0957202 A2 19991117 - VIB APPARATEBAU GMBH [DE]
- [X] DE 102005053968 A1 20070516 - VOITH PATENT GMBH [DE]
- [YD] WO 2006000630 A1 20060105 - METSO PAPER INC [FI], et al
- [Y] DE 19534911 A1 19960912 - VOITH SULZER FINISHING GMBH [DE]
- [Y] US 6207020 B1 20010327 - ANDERSON DENNIS W [US]

Cited by

EP3012371A1; WO2022248116A1; AT515517A3; AT515517B1; US2015136349A1; US9322135B2; US10094067B2; DE102015103564A1; EP3231937A1; WO2017017316A1; WO2018171959A1; EP3231936A1; EP3683355A1; DE102019100884A1; DE202015105426U1; DE102021113813A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2682520 A1 20140108; EP 2682520 B1 20160622**; CN 103526628 A 20140122; CN 103526628 B 20160518

DOCDB simple family (application)

**EP 12174715 A 20120703**; CN 201310236331 A 20130614