

Title (en)
METHOD AND DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF

Publication
EP 4347949 A1 20240410 (DE)

Application
EP 22722488 A 20220412

Priority
• DE 102021113813 A 20210528
• EP 2022059761 W 20220412

Abstract (en)
[origin: WO2022248116A1] The invention relates to a method and a corresponding device for producing or treating a fibrous web, in particular a paper or cardboard web, having the following steps: a) drying the fibrous web in a drying section, b) subsequently cooling at least one first side of the fibrous web by means of a convection cooling process, wherein the fibrous web has a temperature of 65 °C or less, in particular 50 °C or less, on at least the first side after the cooling process, c) applying steam onto at least the first side of the fibrous web, the temperature on the first side equaling at least 70 °C, preferably more than 80 °C or 90 °C, after the steam is applied, and d) treating the fibrous web in at least one calendaring nip.

IPC 8 full level
D21F 5/02 (2006.01); **D21F 7/00** (2006.01); **D21F 11/00** (2006.01); **D21G 1/00** (2006.01); **D21G 7/00** (2006.01)

CPC (source: EP US)
D21F 5/02 (2013.01 - EP); **D21F 7/008** (2013.01 - EP US); **D21F 9/02** (2013.01 - US); **D21F 11/00** (2013.01 - EP); **D21F 11/04** (2013.01 - US); **D21G 1/006** (2013.01 - US); **D21G 1/0093** (2013.01 - EP); **D21G 1/0253** (2013.01 - US); **D21G 7/00** (2013.01 - EP); **D21G 9/0045** (2013.01 - 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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021113813 A1 20221201; CN 117355647 A 20240105; EP 4347949 A1 20240410; US 2024084509 A1 20240314;
WO 2022248116 A1 20221201

DOCDB simple family (application)
DE 102021113813 A 20210528; CN 202280036953 A 20220412; EP 2022059761 W 20220412; EP 22722488 A 20220412;
US 202318515716 A 20231121