Title (en)
Process and device for treating fiber webs

Title (de)
Verfahren und Vorrichtung zur Behandlung von Faserbahnen

Title (fr)
Procédé et dispositif pour le traitement d'une feuille fibreuse

Publication
EP 2682521 A1 20140108 (EN)

Application
EP 12174933 A 20120704

Priority
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Abstract (en)
The invention relates to process for treating a fiber web, especially a board web, in which process fiber web is guided into a processing zone that is created in between a belt (21) and at least one cylinder or roll (14, 16) and/or in between two belts (22, 23), in which processing zone the fiber web (w) is treated, advantageously calendered, during a dwell time. In the process the fiber web is treated in the processing zone for a long dwell time for at least 200 ms and in moderate temperatures in the range of 60 - 180 °C. The processing zone comprises at least three stages in any order: a short-treatement stage, a loading stage and a long-treatment stage. In the short-treatment stage the dwell time is less than 200 ms and the load is 0,01- 10 MPa. In the loading stage the dwell time is 1 ## 20 ms and the load is 0,1 ## 100 MPa. In the long-treatment stage the dwell time is more than 100 ms and the load is 0,01 ## 10 MPa. The invention also relates to a device for treating a fiber web.

IPC 8 full level
D21G 1/00 (2006.01)

CPC (source: EP)
D21G 1/0066 (2013.01)

Citation (applicant)
- WO 03064764 A1 20030807 - METSO PAPER INC [FI], et al
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