Title (en)

Method and apparatus for drying a fibrous web

Title (de)

Verfahren und Vorrichtung zum Trocknen einer Faserstoffbahn

Title (fr)

Procédé et dispositif de séchage d'une bande de matière fibreuse

Publication

EP 2722438 A1 20140423 (EN)

Application

EP 12189022 A 20121018

Priority

EP 12189022 A 20121018

Abstract (en)

There is described a method for controlling curl of a fibrous web in a drying section of a machine for manufacturing the web. The method steps are drying the bottom side of said web by way of contact drying and thereafter drying the top side the web in a press drying step in which the web is pressed against a heated surface and is dried. The pressure on the web in the press drying step is higher than in contact drying. At least one press drying step is the final drying step. A suitable dryer apparatus has a bottom side contact drying arrangement where a permeable surface holds the web in contact with heated drying surfaces. A top side drying arrangement downstream of the bottom side drying arrangement, has an impermeable belt pressing the web against an impermeable support cylinder.

IPC 8 full level

D21F 5/00 (2006.01); **D21F 5/04** (2006.01); **D21G 1/00** (2006.01)

CPC (source: EP)

D21F 5/004 (2013.01); **D21F 5/04** (2013.01); **D21F 5/048** (2013.01); **D21G 1/006** (2013.01)

Citation (search report)

- [X] WO 03064762 A1 20030807 - METSO PAPER INC [FI], et al
- [X] EP 1586698 A1 20051019 - VOITH PAPER PATENT GMBH [DE]
- [X] EP 2305882 A2 20110406 - VOITH PATENT GMBH [DE]
- [X] DE 102004017824 A1 20051103 - VOITH PAPER PATENT GMBH [DE]
- [X] US 3079700 A 19630305 - LLOYD HORNBOSTEL, et al
- [A] DE 102008000133 A1 20090730 - VOITH PATENT GMBH [DE]

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

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