

Title (en)

APPARATUS AND METHOD FOR DEWATERING CELLULOSE PULP WITH IMPROVED DEWATERING EFFICIENCY

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ENTWÄSSERUNG VON ZELLULOSE PULPE MIT VERBESSERTER ENTWÄSSERUNGSEFFIZIENZ

Title (fr)

APPAREIL ET PROCÉDÉ D'ESSORAGE DE PÂTE CELLULOSIQUE À EFFICACITÉ D'ESSORAGE AMÉLIORÉE

Publication

**EP 2350383 A4 20130918 (EN)**

Application

**EP 09823903 A 20091023**

Priority

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- SE 0802285 A 20081027

Abstract (en)

[origin: WO2010050883A1] The invention relates to an apparatus (1) for dewatering cellulose pulp, which apparatus includes two press rolls (2), arranged next to each other, each press roll (2) being provided inside guide surfaces (3), such that a pulp passage (4) is formed between each press roll (2) and the corresponding guide surface (3), wherein an inlet (5) for transferring pulp or the like to said pulp passage (4) is arranged at a first point at each press roll, and wherein the press rolls (2) are arranged to rotate in opposite directions (D1, resp. D2) so as to convey the pulp in a first operational direction (F1) towards a nip (6) that is formed between them at a second point, close to where the guide surfaces (3) intersect, each press roll (2) having a perforated outer surface (7) for withdrawing filtrate from said pulp or the like. At their point of intersection, the guide surfaces (3) include an outlet (8') for withdrawing filtrate that is rejected from the nip (6), said outlet (8') being arranged substantially opposite of the nip (6) and directed such that the filtrate removed through said outlet (8') is conveyed from the pulp passage through a clearance (9') that is formed in a space between the guide surfaces (3). The invention also relates to a corresponding method.

IPC 8 full level

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CPC (source: EP SE)

**D21C 9/06** (2013.01 - SE); **D21C 9/18** (2013.01 - EP SE)

Citation (search report)

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- See also references of WO 2010050883A1

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DOCDB simple family (application)

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