

Title (en)  
PRESS SECTION OF A PAPER OR BOARD MACHINE

Publication  
**EP 0401190 A3 19920102 (EN)**

Application  
**EP 90850218 A 19900529**

Priority  
FI 892625 A 19890530

Abstract (en)  
[origin: EP0401190A2] The invention concerns a press section of a paper or board machine, comprising a number of rolls (1,11,22,32,44,70) which form press nips (N1,N2,N3,N4) that dewater the web (in) with each other, the web being arranged to run through said nips. Of the rolls at least one roll (1;70) is a smooth-faced so-called centre roll, which forms a press nip (N2,N3;N4) with at least one other press roll (11,32;44), over which a press felt (10,30;40), which has been formed as an endless loop, is passed to absorb water out of the web (in) into said press felt (10,30;40). The centre roll (1;70) in accordance with the invention is a variable-crown roll, which comprises a metallic roll mantle (2;71) arranged revolving on a stationary roll axle (3;72). The roll includes at least one set of crown-variation means (4,5;73), which are arranged to load the roll mantle (2;71) in the direction of the nip plane (K2,K3;K4) of the centre roll (1;70) and the roll (11,32;44) that forms a press nip (N2,N3;N4) with said centre roll so as to regulate the profile of linear load in said nip (N2,N3;N4).

IPC 1-7  
**D21F 3/04**

IPC 8 full level  
**D21F 3/04** (2006.01)

CPC (source: EP)  
**D21F 3/04** (2013.01)

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Designated contracting state (EPC)  
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0401190 A2 19901205; EP 0401190 A3 19920102; EP 0401190 B1 19950802**; AT E125894 T1 19950815; CA 2017010 A1 19901130; CA 2017010 C 19950718; CN 1048813 A 19910130; DE 69021277 D1 19950907; DE 69021277 T2 19960111; FI 86753 B 19920630; FI 86753 C 19921012; FI 892625 A0 19890530; FI 892625 A 19901201

DOCDB simple family (application)  
**EP 90850218 A 19900529**; AT 90850218 T 19900529; CA 2017010 A 19900517; CN 90103960 A 19900530; DE 69021277 T 19900529; FI 892625 A 19890530