

Title (en)

IMPROVED FRAME CONSTRUCTION AND METHOD IN A PAPER MACHINE PRESS SECTION FOR FACILITATING REPLACEMENT OF PRESS ROLLS AND FABRICS

Publication

**EP 0224461 A3 19880203 (EN)**

Application

**EP 86850405 A 19861126**

Priority

- DE 3541943 A 19851127
- FI 854959 A 19851213

Abstract (en)

[origin: EP0224461A2] A frame construction and method in a paper machine press section having a compact press roll combination (13, 16, 21, 31) forming at least two press nips (NÉ, NĚ, NĚ) through which a paper web (W) runs, the frame construction and method facilitating the removal and replacement of the fabrics and/or press rolls. The frame construction includes a front frame (50) situated before the press roll combination and a rear frame (70) separate from the front frame situated after the roll combination. The space above the roll combination and between the front and rear frames is opened or openable by pivoting an intermediate frame (60) situated above the roll combination into an open position. The replacement of fabrics and press rolls are carried out by utilizing the open space obtained by pivoting the intermediate frame. The intermediate frame comprises two separate frame parts, namely, a front intermediate frame (60a) which is pivoted around horizontal articulated joints (62a) attached to the front frame (50), and a rear intermediate frame (60b) is pivoted around horizontal articulated joints (62b) attached to the rear frame (70). The intermediate frame is closed by coupling the outer parts thereof to a stationary intermediate frame (60c) part mounted, for example, on the bearing housings of the center roll (16) of the press.

IPC 1-7

**D21F 3/04**; **D21F 7/00**

IPC 8 full level

**D21F 3/04** (2006.01); **D21F 7/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XP] DE 3541943 A1 19860605 - VALMET OY [FI]
- [A] FR 2372272 A1 19780623 - VALMET OY [FI]
- [A] DE 3330423 A1 19840301 - VALMET OY [FI]
- [A] DE 3307362 A1 19830908 - VALMET OY [FI]
- [A] DE 3205360 A1 19820909 - VALMET OY [FI]
- [A] DE 1947709 A1 19700402 - BLACK CLAWSON CO

Cited by

US5399242A; DE9206152U1; EP0296138B1

Designated contracting state (EPC)

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**EP 0224461 A2 19870603**; **EP 0224461 A3 19880203**; **EP 0224461 B1 19910306**; CA 1274108 A 19900918; NO 864749 D0 19861126

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