

Title (en)
Size press.

Title (de)
Leimungspresse.

Title (fr)
Presse encolleuse.

Publication
EP 0608206 A1 19940727 (EN)

Application
EP 94850012 A 19940121

Priority
FI 930255 A 19930122

Abstract (en)
The invention concerns a size press, comprising a first roll (12), which is mounted rigidly on the frame (11) of the size press, as well as a second roll (16), which forms a size-press nip (N) with the first roll and which is mounted, at a level higher than the level of said first roll (12), on a loading arm (19) that is supported pivotally on a transverse shaft (20) on the frame (11) of the size press. The loading arm (19) can be pivoted by means of loading cylinders (22) so as to produce the desired pressure level in the nip (N) and to open said nip for threading of the web (W) and for replacement of rolls. The paper web (W) is passed into the nip (N) as guided by a guide roll (23) and out of the nip (N) over a spreader roll (25) or an air-turning device. The rolls (12) that form the size-press nip (N) have been arranged in such a way in relation to one another that the nip plane passing through the rolls forms an angle of 35...120 DEG , advantageously 50...60 DEG , preferably 55 DEG , in relation to the horizontal plane. The web (W) has been arranged to be passed into the nip (N) at an angle of substantially 90 DEG in relation to the nip plane and to be passed out of the nip (N) at an angle of 90 DEG +/- 7 DEG in relation to the nip plane. <IMAGE>

IPC 1-7
D21H 23/56

IPC 8 full level
D21H 23/56 (2006.01)

CPC (source: EP)
D21H 23/56 (2013.01)

Citation (search report)
• [A] DE 427531 C 19260409 - BERNHARD KREMLER
• [A] EP 0480897 A1 19920415 - VALMET PAPER MACHINERY INC [FI]
• [A] US 3379170 A 19680423 - THOMAS EDGAR E, et al

Cited by
DE102012213026A1; DE4431202A1; EP1245732A1; WO2013050821A1; US7169260B2; US7943010B2; US6895690B2; US6634120B2; DE102008054948A1

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