

Title (en)  
Pressing arrangement

Title (de)  
Pressenanordnung

Title (fr)  
Dispositif de pressage

Publication  
**EP 1619300 B1 20071024 (DE)**

Application  
**EP 05108375 A 20001221**

Priority  
• EP 00128157 A 20001221  
• DE 20000599 U 20000114  
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Abstract (en)  
[origin: EP1619300A1] The water interceptor (46) includes a suction channel (48) across the web (38). It projects-in towards the nip, between the upper press roller (40) and the dewatering belt (44). The channel is connected to a source of reduced pressure. In the suction region, the channel slot width is 1-50 mm, preferably 2-7 mm. The pressure reduction in the channel interception zone is preferably 10,000-30,000 N/m<sup>2</sup>>. The channel discharge enters a water collection tank (50), from which it is carried off. The suction channel discharge point (54) and the suction connection (56), lie above the maximum water level in the tank. The channel is formed by upper and lower walls (58, 60) running across the belt direction. Channel walls make an acute angle with the belt in the interception zone. The edge (62) of the lower wall is as close as possible to the dewatering belt, the spacing preferably being less than 20 mm; it even contacts the belt or presses slightly into it. This lower edge is made of a strip (64) exhibiting maximum wear resistance. The angle between strip and belt is 10-45[deg]. The upper channel wall is part of a water interceptor (66) catching water thrown centrifugally from the upper pressing roller. The outer section of the upper wall (58) runs at an angle to the pressing gap and its edge projects less (or alternatively, equally) into the nip entry, in comparison with the lower wall (60). The collection tank is divided transversely into chambers across the belt width. Each has a connection to the source of reduced pressure.

IPC 8 full level  
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CPC (source: EP)  
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