

Title (en)
PRESSURE SCREEN

Title (de)
DRUCKSORTIERER

Title (fr)
CLASSEUR SOUS PRESSION

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Abstract (en)
[origin: WO2015024812A1] The invention relates to a pressure screen for cleaning a fibrous stock suspension having a screen element (2) which is of rotationally symmetrical configuration about a screen axis (1) and divides the pressure screen into an inlet chamber (3) and an accepted stock chamber (4), wherein the inlet chamber (3) is connected at one axial end to a suspension inlet (5) and at the opposite axial end to a reject outlet (6), and the accepted stock chamber (4) is connected to an accepted stock outlet (7), and a rotor (8) with rotor vanes (9) is situated in the inlet chamber (3), the rotational axis (10) of which rotor (8) corresponds to the screen axis (1), and which rotor (8) rotates relative to the screen element (2), wherein the rotor vanes (9) are arranged distributed over a plurality of circumferential planes (11) of the rotor (8) which run perpendicularly with respect to the rotational axis (10). Here, the energy consumption and the risk of clogging can be reduced by virtue of the fact that the width of the annular gap (12) between the rotor (8) and the screen element (2) decreases from the suspension inlet (5) to the reject outlet (6). (Figure 1)

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Citation (opposition)
Opponent : Andritz Fiedler GmbH
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• EP 2602386 A1 20130612 - VOITH PATENT GMBH [DE]
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Opponent : Firma Andritz Fiedler GmbH
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