

Title (en)
PRESSURE SCREEN

Title (de)
DRUCKSORTIERER

Title (fr)
CLASSEUR SOUS PRESSION

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Application
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Abstract (en)
[origin: WO2013010755A1] The invention relates to a pressure screen for cleaning a fibrous suspension (1) with a screen element (2) formed rotationally symmetrical about a screen axis (7), which screen element divides the pressure screen into an infeed chamber (3) and an accepted stock chamber (4), the infeed chamber (3) being connected to a suspension infeed (11) and a reject outfeed (18) and the accepted stock chamber (4) to an accepted stock outfeed (13), and located in the infeed chamber (3) is a rotor (5) with rotor blades, the axis of rotation (10) of which corresponds to the screen axis (7), and which rotor rotates relative to the screen element (2). The intention is to reduce energy consumption and possible pulsations by the distance (15) between the axis of rotation (10) and the straight lines passing in the flow direction through the centroid (6) of the cross-sectional area extending perpendicularly of the direction of flow (14) of the suspension infeed (11) being less than 1.0 times, preferably less than 0.7 times, the radius of the screen element (2).

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