

Title (en)

ROTARY PULP SCREEN OF THE VERTICAL PRESSURE TYPE HAVING PULP STOCK FEED AT DIFFERENT AXIAL POSITIONS ON THE SCREEN

Publication

EP 0145365 B1 19901114 (EN)

Application

EP 84308039 A 19841120

Priority

US 56024883 A 19831212

Abstract (en)

[origin: EP0145365A2] A rotary pulp screening device (10) of the vertical type has a screen (25) which provides a streamline flow of pulp-stock, there being a fairly constant flow of pulp through the screen from top to bottom, thus utilising the full height of the screen. The screening device includes a generally cylindrical housing (11) with a vertical cylindrical screen (25) therein, a rotary impeller (30) mounted for rotation within the screen, the impeller having a body whose top is substantially level with the disc ring and bottom is adjacent the lower end of the cylindrical screen, the body having a shape with circular axial cross section from the top to the bottom, whose diameter increases from the top to the bottom thus leaving a larger annular space at the top, and impeller blades (35) radiating from at least a portion of the body of the impeller and extending to within a short distance from the screen for the height of the screen. The improvement comprises at least one substantially frusto-conical shaped baffle (41) concentric with the body of the impeller, extending down from the top of the screen (25) adapted to divide flow of pulp stock entering the screening device, and direct the divided flows to different vertical locations on the pulp screen.

IPC 1-7

D21D 5/02

IPC 8 full level

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Cited by

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