Title (en)

SCREENING APPARATUS

Title (de)

SIEBVORRICHTUNG

Title (fr)

DISPOSITIF DE TAMISAGE

Publication

EP 1159482 B1 20060524 (EN)

Application

EP 00915645 A 20000302

Priority

- SE 0000411 W 20000302
- SE 9900869 A 19990310

Abstract (en)

[origin: WO0053845A1] A screening apparatus for separating fiber suspensions, preferably pulp suspensions, comprising a screen housing (1), centrally located in the screen housing (1), a stator (8) enclosed in a screen means (7). The screen means is rotary and divides the screen housing (1) into a screen chamber (9) between the screen housing (1) and screen means (7) and an accept chamber (10) between the screen means (7) and stator (8). On the stator (8), wings are located for creating suction pulses. The screening apparatus comprises further inlet (4) for the fiber suspension to the screen chamber (9), reject outlet (6) for reject from the screen chamber (9), and accept outlet (5) for accept from the accept chamber (10). In such a screening apparatus, problems arise by thickening and plugging. The invention solves these problems in that on the stator (8) at least one barrier/pulse element (12) is located which extends in axial direction along the entire stator (8) and is tightly attached to the stator (8) and extends from the stator (8) out to the screen means (7), so that accept substantially is prevented from tangentially passing the barrier/pulse element (12).

IPC 8 full level

D21D 5/06 (2006.01)

CPC (source: EP)

D21D 5/06 (2013.01)

Citation (examination)

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- EP 0299258 A1 19890118 - AHLSTROEM OY [FI]
- DE 19836318 A1 19990715 - VOITH SULZER PAPIERTECH PATENT [DE]
- US 3411721 A 19681119 - DELCELLIER HENRI A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0053845 A1 20000914; AT E327371 T1 20060615; AU 3687100 A 20000928; DE 60028188 D1 20060629; DE 60028188 T2 20070315; EP 1159482 A1 20011205; EP 1159482 B1 20060524; JP 2002538331 A 20021112; JP 4316814 B2 20090819; SE 515589 C2 20010903; SE 9900869 D0 19990310; SE 9900869 L 20000911

DOCDB simple family (application)

SE 0000411 W 20000302; AT 00915645 T 20000302; AU 3687100 A 20000302; DE 60028188 T 20000302; EP 00915645 A 20000302; JP 2000603460 A 20000302; SE 9900869 A 19990310