

Title (en)
SOLID BOWL SCREW CENTRIFUGE COMPRISING A DISTRIBUTOR

Title (de)
VOLLMANTEL-SCHNECKENZENTRIFUGE MIT VERTEILER

Title (fr)
ESSOREUSE A VIS SANS FIN, A BOL PLEIN, MUNIE D'UN DISTRIBUTEUR

Publication
EP 1337344 A1 20030827 (DE)

Application
EP 01996435 A 20011009

Priority

- DE 10065893 A 20001114
- DE 10120995 A 20010428
- EP 0111663 W 20011009

Abstract (en)
[origin: WO0240175A1] The invention relates to a solid bowl screw centrifuge comprising a centrifuging chamber (19) having a rotating screw (1) and a likewise rotating drum (21) surrounding the centrifuging chamber (19), in addition to a distributor (15) which is preferably embodied as a tube and is used to introduce the material to be centrifuged (S) into the centrifuging chamber (19). Said distributor is oriented in an angular manner, especially perpendicularly, in relation to the central axis (A) of the screw (1). The material to be centrifuged is guided through an axially extending inflow tube (13) into the distributor (15). At least one wall (15a) of the distributor is provided with a surface structure consisting of projections (27) in such a way that the main part of the material to be centrifuged (S) which passes through the distributor must flow around at least one of the projections (27) on the at least one wall (15a) on the radial path from the inflow tube (13) to the centrifuging chamber (19).

IPC 1-7
B04B 1/20; **B04B 11/06**

IPC 8 full level
B04B 1/20 (2006.01); **B04B 11/06** (2006.01)

CPC (source: EP US)
B04B 1/20 (2013.01 - EP US); **B04B 11/06** (2013.01 - EP US); **B04B 2001/2033** (2013.01 - EP US)

Citation (search report)
See references of WO 0240175A1

Designated contracting state (EPC)
DE DK FR GB IT SE

DOCDB simple family (publication)
WO 0240175 A1 20020523; DE 50108585 D1 20060202; DK 1337344 T3 20060515; EP 1337344 A1 20030827; EP 1337344 B1 20051228; JP 2004524136 A 20040812; JP 4113775 B2 20080709; US 2004029697 A1 20040212; US 7060019 B2 20060613

DOCDB simple family (application)
EP 0111663 W 20011009; DE 50108585 T 20011009; DK 01996435 T 20011009; EP 01996435 A 20011009; JP 2002542534 A 20011009; US 41654803 A 20030513