

Title (en)  
SOLID BOWL SCREW CENTRIFUGE

Title (de)  
VOLLMANTEL-SCHNECKENZENTRIFUGE

Title (fr)  
CENTRIFUGEUSE À VIS SANS FIN À PAROI PLEIN

Publication  
**EP 2571621 B1 20171220 (DE)**

Application  
**EP 11719267 A 20110512**

Priority  
• DE 102010020901 A 20100518  
• EP 2011057725 W 20110512

Abstract (en)  
[origin: WO2011144520A1] A solid bowl screw centrifuge having a rotatable drum (1) having at least one solids outlet and at least one liquid outlet, a screw (2) arranged in the drum (1) and rotatable at a differential speed of rotation to the drum (1), which screw has at least one spiral screw blade (3) and having a clarifying plate arrangement (14) having a multiplicity of clarifying plates (15) which are arranged on the screw body (3) in a partial region of the extension of the screw body (3), is distinguished by a weir plate (21) or a throttle plate (22) which is arranged between the clarifying plate arrangement (14) and the at least one liquid outlet (20) of the drum, wherein the weir plate or the throttle plate are coupled so as to rotate with the screw.

IPC 8 full level  
**B04B 1/20** (2006.01); **B04B 11/02** (2006.01)

CPC (source: EP)  
**B04B 1/20** (2013.01); **B04B 2001/2066** (2013.01); **B04B 2001/2083** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102010020901 A1 20111124**; EP 2571621 A1 20130327; EP 2571621 B1 20171220; TR 201802284 T4 20180321;  
WO 2011144520 A1 20111124

DOCDB simple family (application)  
**DE 102010020901 A 20100518**; EP 11719267 A 20110512; EP 2011057725 W 20110512; TR 201802284 T 20110512