

Title (en)

Solid bowl screw centrifuge with a screw

Title (de)

Vollmantelschneckenzenrifuge mit einer Schnecke

Title (fr)

Centrifugeuse à vis a bol plein dotée d'une vis sans fin

Publication

EP 2586533 B1 20190814 (DE)

Application

EP 11008664 A 20111028

Priority

EP 11008664 A 20111028

Abstract (en)

[origin: EP2586533A1] The solid-bowl screw centrifuge (10) comprises a rotatable drum, and a rotatable worm gear (12) comprising a conveyor hub (14) arranged with a worm coil (16) having a conveying path for the heavy phase, in order to discharge the light phase from the drum through the worm gear. A blade-like element (20) is arranged along the conveying path, on the conveyor hub, such that the blade-like element protrudes so far without being immersed in the medium to-be-separated, during operation of the screw centrifuge.

IPC 8 full level

B04B 1/20 (2006.01)

CPC (source: EP)

B04B 1/20 (2013.01); **B04B 2001/2041** (2013.01)

Citation (examination)

US 5653673 A 19970805 - DESAI VIKRAM J [US], et al

Cited by

CN114901398A; CN106475234A

Designated contracting state (EPC)

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EP 2586533 A1 20130501; **EP 2586533 B1 20190814**; ES 2754754 T3 20200420; PT 2586533 T 20191121

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