

Title (en)

Screw centrifuge with centrifugal-force operated valve

Title (de)

Schneckenzenrifuge mit Fliehkraft-Ventil

Title (fr)

Centrifugeuse à vis avec une vanne actionnée par la force centrifuge

Publication

EP 0806245 B1 20010606 (DE)

Application

EP 97106703 A 19970423

Priority

DE 19618249 A 19960507

Abstract (en)

[origin: EP0806245A1] The screw centrifuge for the separation of solids and liquids from a mixture comprises a rotating drum (10) and a coaxial screw (11), rotating at a different speed, with a liquid exit (13) and a solids exit at the other end. Apart from the liquid drain (13), a further drain (16) is provided which is closed by a spring loaded piston (19) at high rotational speeds and opened at low speeds. The piston acts in a radial direction and at right angles to the drain.

IPC 1-7

B04B 1/20; **B04B 11/04**

IPC 8 full level

B04B 1/20 (2006.01); **B04B 11/04** (2006.01)

CPC (source: EP US)

B04B 1/20 (2013.01 - EP US); **B04B 11/04** (2013.01 - EP US); **B04B 2001/2083** (2013.01 - EP US)

Cited by

US7060019B2; US7083565B2; WO02051550A1

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AT BE DE DK ES FR GB NL SE

DOCDB simple family (publication)

EP 0806245 A1 19971112; **EP 0806245 B1 20010606**; AT E201834 T1 20010615; DE 19618249 A1 19971113; DE 59703712 D1 20010712; DK 0806245 T3 20010917; JP H11581 A 19990106; US 5913767 A 19990622

DOCDB simple family (application)

EP 97106703 A 19970423; AT 97106703 T 19970423; DE 19618249 A 19960507; DE 59703712 T 19970423; DK 97106703 T 19970423; JP 13288497 A 19970507; US 85227297 A 19970507