

Title (en)
SELF-DUMPING SEPARATOR WITH A DISC STACK

Title (de)
SELBSTENTLEERENDER SEPARATOR MIT TELLERPAKET

Title (fr)
SEPARATEUR AUTODECHARGEUR A PAQUET D'ASSIETTES

Publication
EP 1786565 B1 20080716 (DE)

Application
EP 05759757 A 20050713

Priority

- EP 2005007573 W 20050713
- DE 102004042888 A 20040904

Abstract (en)
[origin: WO2006027041A1] The invention relates to a vertical axis self-dumping separator provided with a drum (1) in which a disk stack (3) consisting of several discs (4) is arranged, wherein a product to be centrifuged is introducible through a supply pipe (6) and a distributor (7) in a centrifugal chamber (2) which is surrounded by the drum (1), at least two or several ribs (17) are provided in a solid matter chamber (15) disposed outside of the disc stack and a gap between the ribs (17) and the internal wall of the drum (1) is equal to or greater three millimetres.

IPC 8 full level
B04B 1/14 (2006.01)

CPC (source: EP US)
B04B 1/08 (2013.01 - EP US); **B04B 1/10** (2013.01 - EP US); **B04B 1/14** (2013.01 - EP US)

Cited by
DE102010037550A1; WO2011032957A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006027041 A1 20060316; AR 050553 A1 20061101; AT E401128 T1 20080815; AU 2005282017 A1 20060316;
AU 2005282017 B2 20101216; BR PI0514914 A 20080624; BR PI0514914 B1 20180724; CA 2575299 A1 20060316; CA 2575299 C 20130129;
CN 100584467 C 20100127; CN 101043952 A 20070926; DE 102004042888 A1 20060323; DE 502005004749 D1 20080828;
DK 1786565 T3 20081110; DK 1786565 T4 20110620; EP 1786565 A1 20070523; EP 1786565 B1 20080716; EP 1786565 B2 20110309;
ES 2310835 T3 20090116; ES 2310835 T5 20110706; NZ 552778 A 20101126; PL 1786565 T3 20090130; PL 1786565 T5 20110729;
PT 1786565 E 20081023; RU 2007111410 A 20081010; RU 2372995 G2 20091120; US 2007270298 A1 20071122; US 7537559 B2 20090526

DOCDB simple family (application)
EP 2005007573 W 20050713; AR P050103672 A 20050901; AT 05759757 T 20050713; AU 2005282017 A 20050713;
BR PI0514914 A 20050713; CA 2575299 A 20050713; CN 200580025094 A 20050713; DE 102004042888 A 20040904;
DE 502005004749 T 20050713; DK 05759757 T 20050713; EP 05759757 A 20050713; ES 05759757 T 20050713; NZ 55277805 A 20050713;
PL 05759757 T 20050713; PT 05759757 T 20050713; RU 2007111410 A 20050713; US 68304307 A 20070307