

Title (en)
SOLID MATERIAL SEPARATOR

Title (de)
FESTSTOFFSEPARATOR

Title (fr)
SEPARATEUR DE MATIERE SOLIDE

Publication
EP 1558396 B1 20100602 (DE)

Application
EP 03775279 A 20031103

Priority
• DE 10251570 A 20021106
• EP 0312193 W 20031103

Abstract (en)
[origin: WO2004041438A1] The aim of the invention is to develop a solid material separator for separating solid material particles from a mixture of said particles and water, which makes it possible to improve the separation of solid particles and water. The inventive solid material separator comprises a collecting container which can be arranged in a filling position when the mixture of particles and liquid can be introduced, or in a discharging position when the liquid can be removed at least partially from the collecting container. Said separator also comprises a device producing magnetic field which makes it possible to retain the particles at least partially in the collecting container when it is in the liquid discharge position thereof.

IPC 8 full level
B03C 1/28 (2006.01); **B03C 1/005** (2006.01); **B03C 1/08** (2006.01)

CPC (source: EP US)
B03C 1/005 (2013.01 - EP US); **B03C 1/08** (2013.01 - EP US); **B03C 1/288** (2013.01 - EP US); **B03C 2201/18** (2013.01 - EP US)

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

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
WO 2004041438 A1 20040521; AT E469700 T1 20100615; AU 2003283338 A1 20040607; CA 2480262 A1 20040521; CA 2480262 C 20080325; CN 100588465 C 20100210; CN 1691982 A 20051102; DE 10251570 A1 20040519; DE 50312781 D1 20100715; EP 1558396 A1 20050803; EP 1558396 B1 20100602; JP 2006504522 A 20060209; JP 4741238 B2 20110803; MX PA05001190 A 20050516; PL 371316 A1 20050613; US 2005189303 A1 20050901; US 7357260 B2 20080415

DOCDB simple family (application)
EP 0312193 W 20031103; AT 03775279 T 20031103; AU 2003283338 A 20031103; CA 2480262 A 20031103; CN 200380100455 A 20031103; DE 10251570 A 20021106; DE 50312781 T 20031103; EP 03775279 A 20031103; JP 2004548846 A 20031103; MX PA05001190 A 20031103; PL 37131603 A 20031103; US 96862704 A 20041019