

Title (en)
DISCHARGE CONE

Title (de)
AUSTRAGSKONUS

Title (fr)
CONE DE DEVERSEMENT

Publication
EP 2563692 B1 20140813 (DE)

Application
EP 11716479 A 20110408

Priority
• DE 102010018841 A 20100429
• EP 2011001747 W 20110408

Abstract (en)
[origin: CA2796528A1] The invention relates to a device for discharging a fine-grained solid from a container (1), wherein the container has a discharge cone (5) in the lower area, which opens into a discharge opening and discharge device, means for fluidizing or loosening the solid are provided, the discharge cone has at least one offset in the form of a gap (10), said offset having openings (12), a gas can be fed through each of the openings of the gap-shaped offsets, each of the gap-shaped offsets is covered toward the center axis of the discharge cone, the gap-shaped offsets are not directed toward the center axis of the discharge cone, and wherein the gaps of the gap-shaped offsets are closed by cover plates (11), which have round or slit-shaped openings, and the gaps extend in the downward direction.

IPC 8 full level
B65D 83/06 (2006.01); **B65D 88/28** (2006.01); **B65D 88/72** (2006.01)

CPC (source: EP KR US)
B65D 83/06 (2013.01 - US); **B65D 88/28** (2013.01 - EP KR US); **B65D 88/64** (2013.01 - KR); **B65D 88/72** (2013.01 - EP KR US)

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 102010018841 A1 20111103; AU 2011247444 A1 20121101; BR 112012027426 A2 20190924; CA 2796528 A1 20111103; CN 102892689 A 20130123; EP 2563692 A1 20130306; EP 2563692 B1 20140813; KR 20130113924 A 20131016; RU 2012146438 A 20140610; TW 201201897 A 20120116; UA 107828 C2 20150225; US 2013202369 A1 20130808; WO 2011134594 A1 20111103; ZA 201208938 B 20140226

DOCDB simple family (application)
DE 102010018841 A 20100429; AU 2011247444 A 20110408; BR 112012027426 A 20110408; CA 2796528 A 20110408; CN 201180020098 A 20110408; EP 11716479 A 20110408; EP 2011001747 W 20110408; KR 20127031053 A 20110408; RU 2012146438 A 20110408; TW 100114846 A 20110428; UA A201212286 A 20110408; US 201113643677 A 20110408; ZA 201208938 A 20121127