

Title (en)

Emptying device for powder sacks for powder spray coating facilities

Title (de)

Entleerungsvorrichtung für Pulversäcke für Pulversprühbeschichtungsanlagen

Title (fr)

Dispositif de vidange pour sacs de poudre pour installations de revêtement par poudre vaporisée

Publication

EP 1953098 B1 20090415 (DE)

Application

EP 07120891 A 20071116

Priority

DE 102007005307 A 20070202

Abstract (en)

[origin: EP1953098A1] The discharging device has a bag receiving funnel (74) opened narrower downwards for receiving a powder bag (12), so that a funnel wall holds the powder bag in a stable form and position, in which a bag opening is at an upper bag end. A funnel angle of a funnel inner surface is between 45 and 90 degrees, and a funnel center line of the bag receiving funnel is vertically extended.

IPC 8 full level

B65G 65/36 (2006.01); **B05B 7/14** (2006.01); **B65B 69/00** (2006.01)

CPC (source: EP US)

B05B 7/1454 (2013.01 - EP US); **B05B 7/1472** (2013.01 - EP US); **B05B 12/004** (2013.01 - EP US); **B65B 69/0091** (2013.01 - EP US); **B05B 7/1445** (2013.01 - EP US)

Cited by

IT202100001553A1; EP2218514A1; EP3428081A1; EP3970862A1; US8444351B2; US8967429B2; US11878320B2

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1953098 A1 20080806; **EP 1953098 B1 20090415**; AT E428662 T1 20090515; DE 102007005307 A1 20080807; DE 502007000614 D1 20090528; PT 1953098 E 20090624; US 2008187423 A1 20080807; US 2012009046 A1 20120112; WO 2008093179 A1 20080807

DOCDB simple family (application)

EP 07120891 A 20071116; AT 07120891 T 20071116; DE 102007005307 A 20070202; DE 502007000614 T 20071116; IB 2008000008 W 20080103; PT 07120891 T 20071116; US 201113234661 A 20110916; US 2329608 A 20080131