

Title (en)

Method and apparatus for emptying drums, filled with solid material

Title (de)

Verfahren und Vorrichtung zum Entleeren von mit Feststoffen gefüllten Fässern

Title (fr)

Procédé et appareil pour vider des tonneaux remplis avec des matières solides

Publication

EP 0999142 B1 20030129 (DE)

Application

EP 99120238 A 19991011

Priority

CH 219998 A 19981030

Abstract (en)

[origin: EP0999142A1] The drum emptying process involves separating the drum bottom from the drum and pressing out the contents with a pressing body, using an emptying device (10) with a cutting ring (12) to remove the drum bottom (58) from the drum (18). The device includes a pressing body in the form of a ram (36) which can be moved by a hydraulic cylinder (40) along a longitudinal axis (17) towards the cutting ring. A stop (14) supports the drum against forces in the direction of movement as the material is pressed out by the ram.

IPC 1-7

B65B 69/00

IPC 8 full level

B65B 69/00 (2006.01); **B65G 65/23** (2006.01); **B67B 7/46** (2006.01)

CPC (source: EP US)

B65B 69/0033 (2013.01 - EP US); **B65B 69/005** (2013.01 - EP US); **Y10S 100/902** (2013.01 - EP US)

Cited by

CN104443605A; CN106423546A

Designated contracting state (EPC)

CH DE FR LI SE

DOCDB simple family (publication)

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EP 99120238 A 19991011; DE 59904150 T 19991011; JP 31054299 A 19991101; US 43139999 A 19991101