

Title (en)

APPARATUS FOR BLENDING PARTICULATE MATERIAL IN A BUNKER

Publication

EP 0262400 B1 19911030 (DE)

Application

EP 87112451 A 19870827

Priority

CH 356586 A 19860903

Abstract (en)

[origin: EP0262400A1] A bunker (1) is provided with a conical bottom (3), with a discharge section (4) below the conical bottom (3), and with a closure member (5), for example a slide valve, at the lower end of the discharge section. An insert (6) is arranged in the lower region of the conical bottom, coaxially thereto. An annular gap (9) is provided between the interior wall (7) of the bottom and the exterior wall (8) of the insert. The interior wall of the insert is widened conically upwards in its upper region (10), and is substantially cylindrical in its lower region (11). A pipe (12) is coaxially moulded onto this lower region of the insert, encloses the lower region of the insert and is vertically displaceable thereon. Approximately at the transition (10, 11) from the conical to the cylindrical region, a second closure member (13), for example a slide valve, is arranged on the insert in order to control the flow rate of the bulk material through the insert. The upper periphery of the discharge section approximately coincides with the annular gap. The lower end of the pipe (12) is displaceable on both sides of the plane of the annular gap. The means for displacing the pipe and for adjusting the second closure member can be actuated from outside the bunker in order to adjust the flow rate as a function of the properties of the bulk material. <IMAGE>

IPC 1-7

B01F 5/24; B01F 15/02

IPC 8 full level

B01F 5/24 (2006.01)

CPC (source: EP)

B01F 25/80 (2022.01); **B01F 25/83** (2022.01)

Cited by

ES2424568A1; US10322557B2; WO2014195536A1

Designated contracting state (EPC)

BE DE FR GB LU NL

DOCDB simple family (publication)

EP 0262400 A1 19880406; EP 0262400 B1 19911030; CH 670439 A5 19890615; DE 3774231 D1 19911205

DOCDB simple family (application)

EP 87112451 A 19870827; CH 356586 A 19860903; DE 3774231 T 19870827