

Title (en)
DOSING DEVICE FOR BULK GOODS

Title (de)
DOSIERVORRICHTUNG FÜR SCHÜTTGÜTER

Title (fr)
DISPOSITIF DE DOSAGE POUR MATERIAUX EN VRAC

Publication
EP 1140669 A1 20011010 (DE)

Application
EP 99959172 A 19991227

Priority
• CH 9900630 W 19991227
• CH 2199 A 19990107
• CH 231199 A 19991216

Abstract (en)
[origin: WO0040484A1] The invention relates to a dosing device for bulk goods which comprises a hopper (1) whose outlet opening is closed by two spherical cap halves (3, 4) which can be pivoted in opposite directions. The pivoting movement is effected by two arms (5, 6) which are pivoted about a common pivot pin (8). The spherical cap halves (3, 4) can be pivoted by means of a rod assembly (18, 19, 22, 23) comprising a vertically mobile plunger (14). To prevent the formation of bridges in the bulk good a rotating loosening and scraping element (30) is provided for whose base part (31) reaches almost as far as the outlet opening. With the above dosing device both large and small quantities of bulk goods can be discharged in precise doses.

IPC 1-7
B65D 90/58; **B65D 88/68**; **B65D 90/66**

IPC 8 full level
B65D 88/68 (2006.01); **B65D 90/58** (2006.01); **B65D 90/62** (2006.01)

CPC (source: EP US)
B65D 88/68 (2013.01 - EP US); **B65D 90/585** (2013.01 - EP US); **B65D 90/623** (2013.01 - EP US); **B65D 2590/542** (2013.01 - EP US); **B65D 2590/547** (2013.01 - EP US); **B65D 2590/664** (2013.01 - EP US)

Citation (search report)
See references of WO 0040484A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 0040484 A1 20000713; AU 1646800 A 20000724; DE 59911208 D1 20050105; EP 1140669 A1 20011010; EP 1140669 B1 20041201; US 6578743 B1 20030617

DOCDB simple family (application)
CH 9900630 W 19991227; AU 1646800 A 19991227; DE 59911208 T 19991227; EP 99959172 A 19991227; US 86979701 A 20010705