

Title (en)

Machine for packaging granular or powdery products under modified atmosphere

Title (de)

Vorrichtung zum Verpacken eines pulverförmigen oder körnigen Produktes unter modifizierter Atmosphäre

Title (fr)

Dispositif de remplissage et d'emballage pour le conditionnement sous atmosphère modifiée de produits granulaires ou pulvérulents

Publication

EP 1621464 A2 20060201 (FR)

Application

EP 05291610 A 20050728

Priority

FR 0408491 A 20040730

Abstract (en)

The system consists of a truncated conical hopper (211) with an inner dosing screw and a scraper fixed to a central shaft, a hopper filler and dosing tube (214) that co-operates with the hopper's lower opening and receives the lower end of the screw. The tube is connected to a packaging unit (3), where the atmosphere is modified by an inert gas injector (311) delivering nitrogen, carbon dioxide, a rare gas such as argon, or a mixture of these. The inert gas is also delivered into the hopper at three or more points (215) at a preferable pressure of 1.5 to 3 bars.

IPC 8 full level

B65B 31/04 (2006.01)

CPC (source: EP)

B65B 31/045 (2013.01)

Cited by

CN103662161A; CN110697106A; ES2340898A1; CN117302612A

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1621464 A2 20060201; EP 1621464 A3 20060412; FR 2873655 A1 20060203

DOCDB simple family (application)

EP 05291610 A 20050728; FR 0408491 A 20040730