

Title (en)

Apparatus for filling bearing balls into containers

Title (de)

Vorrichtung zum Füllen von Lagerkugeln in Behälter

Title (fr)

Dispositif de remplissage de billes de roulement dans des récipients

Publication

EP 1739017 A1 20070103 (EN)

Application

EP 05425469 A 20050630

Priority

EP 05425469 A 20050630

Abstract (en)

A device (1) for feeding rolling bodies (2) into containers (3) has a filling station (8) housing an inlet (9) through which a stream of rolling bodies flows by force of gravity; the device has a succession of supporting members (25a, 25b), each for supporting a relative container, and which are conveyed in steps by a powered table (14) about a vertical axis (15) under the control of a unit (50), to feed a further container into the filling station (8) when a preceding container (3) has been filled with a predetermined number of rolling bodies (2); and the stream of rolling bodies (2) is cut off as the table (14) is rotated and/or in the absence of an empty container at the filling station.

IPC 8 full level

B65B 1/06 (2006.01); **B65B 43/50** (2006.01); **B65B 43/54** (2006.01); **B65B 57/06** (2006.01); **B65B 57/20** (2006.01); **B65B 59/00** (2006.01)

CPC (source: EP US)

B65B 1/06 (2013.01 - EP); **B65B 5/101** (2013.01 - EP); **B65B 25/00** (2013.01 - EP); **B65B 43/50** (2013.01 - EP); **B65B 43/60** (2013.01 - EP); **B65B 57/06** (2013.01 - EP); **B65B 57/20** (2013.01 - EP); **B65B 59/003** (2019.04 - EP US)

Citation (search report)

- [XY] US 4071998 A 19780207 - MEADOWS FLOYD G
- [X] US 2661881 A 19531208 - KASPER CASS S
- [Y] US 4778045 A 19881018 - GRUENE HELMUT [DE], et al

Cited by

WO2012026824A1; CN112027135A; IT201600093233A1; CN110303575A; CN108750153A; CN118083250A; CN102910301A; CN102976250A; CN104178620A; CN103153795A; EA021959B1; CN110228617A; CN114030706A; US9220356B2; WO2013159080A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1739017 A1 20070103

DOCDB simple family (application)

EP 05425469 A 20050630