

Title (en)
DELIVERING DEVICE FOR SMALL PARTS

Title (de)
ZUFÜHRVORRICHTUNG FÜR KLEINTEILE

Title (fr)
DISPOSITIF D'AMENEE DE PIECES DE PETITES DIMENSIONS

Publication
EP 1644275 A1 20060412 (DE)

Application
EP 04762371 A 20040710

Priority
• DE 2004001511 W 20040710
• DE 10331409 A 20030710

Abstract (en)
[origin: WO2005007544A1] Disclosed is a device for delivering small parts to a conveying unit (9), comprising a receptacle (2) that is designed for accommodating a major number of small parts and is provided with a bottom (3) encompassing an elongate recess (4), a slider (5) that is disposed in said recess and is provided with a top, essentially horizontal conveying groove (7) for receiving small parts, and a moving mechanism (6) for causing a relative movement between the receptacle (2) and the slider (5) such that the slider (5) can be moved relative to the receptacle (2) into a first position in which the bottom area of the receptacle (2) and the conveying groove (7) are adjacent to each other and into a second position in which the conveying groove (7) is raised to a specific height above the bottom area. The conveying groove (7) can be displaced by the moving mechanism from the second position into an inclined third position in which the conveying groove has an inclination that causes the small parts to be delivered.

IPC 1-7
B65G 47/14; B23P 19/00

IPC 8 full level
B65G 47/14 (2006.01)

CPC (source: EP US)
B65G 47/1478 (2013.01 - EP US)

Citation (search report)
See references of WO 2005007544A1

Designated contracting state (EPC)
DE ES FR

DOCDB simple family (publication)
WO 2005007544 A1 20050127; DE 10331409 A1 20050217; DE 112004001749 D2 20060601; EP 1644275 A1 20060412; JP 2007506628 A 20070322; US 2006249350 A1 20061109

DOCDB simple family (application)
DE 2004001511 W 20040710; DE 10331409 A 20030710; DE 112004001749 T 20040710; EP 04762371 A 20040710; JP 2006517961 A 20040710; US 56391404 A 20040710