

Title (en)  
Powder-metering apparatus with an impact device

Title (de)  
Pulverdosiervorrichtung mit Schlagvorrichtung

Title (fr)  
Appareil de mesure de poudre avec dispositif d'impact

Publication  
**EP 1953088 A1 20080806 (EN)**

Application  
**EP 07290139 A 20070202**

Priority  
EP 07290139 A 20070202

Abstract (en)  
A powder-metering apparatus (1) for dispensing measured doses of a powder into a receiving container has a handling and positioning device (2) with a handling arm (3) designed to handle a metering device (4, 4a, 4b, 4c). The latter consists of a reservoir container (31, 31a, 31b, 31c) with a metering head (32, 32a, 32b, 32c) which has a discharge orifice (5, 6) and a flow-control element (34, 35, 36) to control the rate at which powder leaves the discharge orifice (5, 6). In particular, the powder-metering apparatus (1) is equipped with an impact device (11) designed to shock the metering device (4, 4a, 4b, 4c) with upward-directed force pulses of high intensity and short duration.

IPC 8 full level  
**B65B 1/22** (2006.01); **B65B 1/30** (2006.01)

CPC (source: EP)  
**B65B 1/22** (2013.01); **B65B 1/30** (2013.01)

Citation (search report)  
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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

Designated extension state (EPC)  
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