

Title (en)
SYSTEM FOR DOSING AND DISPENSING PARTICLES

Title (de)
VORRICHTUNG ZUR DOSIERUNG UND ABGABE VON TEILCHEN

Title (fr)
SYSTEME DE DOSAGE ET DE DISTRIBUTION DE PARTICULES

Publication
EP 0757590 A1 19970212 (EN)

Application
EP 95916757 A 19950425

Priority
• GB 9500931 W 19950425
• GB 9408135 A 19940425

Abstract (en)
[origin: WO9529009A1] There is described an apparatus and method which permits accurate weighing and/or measuring of solid particulate matter. The invention may be utilised to enable a hollow structure (1) such as a container (for example a tube) to be at least partially filled with a pre-determined volume or weight of solid particulate matter, such as powder, in an accurate and reproducible manner. In particular there is described a method of measuring out a specific volume and/or weight of particles. The method comprises the up-take of a pre-determined amount of particles into a transfer vehicle (4), movement of the particles into the transfer vehicle (4) being controlled by pressure (5, 6); and the volume of the transfer vehicle (4) dictating the amount of particles taken up. In this manner a specific volume of particles may be accurately taken up into the transfer vehicle (4) and the volume may be calculated to give a certain weight of particles, depending on the density of the particles in question. The particles taken up in the transfer vehicle (4) may be expelled therefrom, when required, by alteration of the pressure (5, 6).

IPC 1-7
B01L 3/02; G01N 1/08; G01N 30/56

IPC 8 full level
B01L 3/02 (2006.01); **G01N 1/08** (2006.01); **G01N 30/56** (2006.01); G01N 30/60 (2006.01)

CPC (source: EP)
B01L 3/021 (2013.01); **G01N 1/08** (2013.01); **G01N 30/56** (2013.01); G01N 30/6052 (2013.01)

Citation (search report)
See references of WO 9529009A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9529009 A1 19951102; AU 2313095 A 19951116; EP 0757590 A1 19970212; GB 9408135 D0 19940615

DOCDB simple family (application)
GB 9500931 W 19950425; AU 2313095 A 19950425; EP 95916757 A 19950425; GB 9408135 A 19940425