

Title (en)  
DOSING DEVICE FOR THE INHALATION OF A POWDER SUBSTANCE

Title (de)  
DOSIERVORRICHTUNG ZUR INHALIERUNG EINER PULVERFÖRMIGEN SUBSTANZ

Title (fr)  
DISPOSITIF DE DOSAGE POUR INHALER UNE SUBSTANCE EN POUDRE

Publication  
**EP 2214759 A2 20100811 (DE)**

Application  
**EP 08851138 A 20081029**

Priority  
• EP 2008064661 W 20081029  
• DE 102007056263 A 20071122

Abstract (en)  
[origin: CA2706569A1] The invention relates to a metering device (1) which can be activated by the suction airflow of the user for inhaling a powdery substance (2), in particular of medicinal type, which is arranged in a supply chamber (15) and can be brought out of there into an apparent discharge standby position (B) by removing the mouthpiece sealing cap (7) by means of a metering chamber (40) of a metering rod (33). The invention proposes providing piston-extensible tabs (77) for sealing off the metering chamber, particularly for the facilitated opening of the metering chamber (40).

IPC 8 full level  
**A61M 15/00** (2006.01)

CPC (source: EP KR US)  
**A61M 15/0006** (2014.02 - EP KR US); **A61M 15/0025** (2014.02 - EP KR US); **A61M 15/0065** (2013.01 - EP KR US);  
**A61M 15/0086** (2013.01 - KR US); **A61M 15/0091** (2013.01 - EP KR US); **A61M 2202/062** (2013.01 - EP KR US);  
**A61M 2202/064** (2013.01 - EP KR US); **A61M 2206/16** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2009065708A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007056263 A1 20090528**; AR 069360 A1 20100113; AU 2008328064 A1 20090528; AU 2008328064 B2 20130725;  
AU 2008328065 A1 20090528; AU 2008328065 B2 20131219; BR PI0819834 A2 20150526; BR PI0819836 A2 20150526;  
CA 2706569 A1 20090528; CA 2706569 C 20160830; CA 2706572 A1 20090528; CA 2706572 C 20160830; CL 2008003447 A1 20100326;  
CL 2008003448 A1 20091218; CN 101925376 A 20101222; CN 101925376 B 20130710; CN 101939039 A 20110105;  
CN 101939039 B 20131023; CO 6280410 A2 20110520; CO 6280411 A2 20110520; DK 2214760 T3 20131118; EG 26577 A 20140310;  
EG 26730 A 20140619; EP 2214759 A2 20100811; EP 2214760 A1 20100811; EP 2214760 B1 20130814; ES 2434832 T3 20131217;  
HK 1150787 A1 20120113; HK 1150788 A1 20120113; HR P20131054 T1 20131220; IL 205731 A0 20101130; IL 205731 A 20120229;  
IL 205861 A0 20101130; IL 205861 A 20121231; JP 2011504387 A 20110210; JP 2011504388 A 20110210; JP 2014111161 A 20140619;  
JP 5411870 B2 20140212; JP 5553765 B2 20140716; JP 5824539 B2 20151125; KR 101487154 B1 20150128; KR 101487155 B1 20150128;  
KR 20100103804 A 20100928; KR 20100112559 A 20101019; MD 20100076 A2 20110131; MD 20100077 A2 20110131; MD 4281 B1 20140430;  
MD 4281 C1 20141130; MD 4287 B1 20140630; MD 4287 C1 20150131; MX 2010005613 A 20100617; MX 2010005615 A 20100617;  
MY 152245 A 20140915; MY 152246 A 20140915; NZ 585422 A 20121130; NZ 585490 A 20130222; PE 20091699 A1 20091123;  
PE 20091705 A1 20091123; PL 2214760 T3 20140131; PT 2214760 E 20131031; RU 2010125495 A 20111227; RU 2010125497 A 20111227;  
RU 2468831 C2 20121210; RU 2469746 C2 20121220; SA 08290745 B1 20120902; SA 08290746 B1 20120623; TW 200930421 A 20090716;  
TW 200930422 A 20090716; TW I466695 B 20150101; TW I474844 B 20150301; UA 98814 C2 20120625; UA 99744 C2 20120925;  
US 2010300441 A1 20101202; US 2010309020 A1 20101209; US 2014076313 A1 20140320; US 8508385 B2 20130813;  
US 8573204 B2 20131105; US 9895501 B2 20180220; WO 2009065707 A1 20090528; WO 2009065708 A2 20090528;  
WO 2009065708 A3 20090730; WO 2009065708 A4 20090917; ZA 201003472 B 20111026; ZA 201003473 B 20111026

DOCDB simple family (application)  
**DE 102007056263 A 20071122**; AR P080105019 A 20081118; AU 2008328064 A 20081029; AU 2008328065 A 20081029;  
BR PI0819834 A 20081029; BR PI0819836 A 20081029; CA 2706569 A 20081029; CA 2706572 A 20081029; CL 2008003447 A 20081120;  
CL 2008003448 A 20081120; CN 200880125374 A 20081029; CN 200880125416 A 20081029; CO 10061117 A 20100521;  
CO 10061124 A 20100521; DK 08852601 T 20081029; EG 2010050829 A 20100519; EG 2010050836 A 20100520; EP 08851138 A 20081029;  
EP 08852601 A 20081029; EP 2008064652 W 20081029; EP 2008064661 W 20081029; ES 08852601 T 20081029; HK 11103237 A 20110330;  
HK 11103238 A 20110330; HR P20131054 T 20131106; IL 20573110 A 20100513; IL 20586110 A 20100520; JP 2010534435 A 20081029;  
JP 2010534436 A 20081029; JP 2014014674 A 20140129; KR 20107013856 A 20081029; KR 20107013857 A 20081029;  
MD 20100076 A 20081029; MD 20100077 A 20081029; MX 2010005613 A 20081029; MX 2010005615 A 20081029;  
MY PI20102293 A 20081029; MY PI20102294 A 20081029; NZ 58542208 A 20081029; NZ 58549008 A 20081029; PE 2008001952 A 20081119;  
PE 2008001953 A 20081119; PL 08852601 T 20081029; PT 08852601 T 20081029; RU 2010125495 A 20081029; RU 2010125497 A 20081029;  
SA 08290745 A 20081122; SA 08290746 A 20081122; TW 97145071 A 20081121; TW 97145072 A 20081121; UA A201005548 A 20081029;  
UA A201005549 A 20081029; US 201314021915 A 20130909; US 74436608 A 20081029; US 74441508 A 20081029;  
ZA 201003472 A 20100517; ZA 201003473 A 20100517