

Title (en)  
DOSING PUMP FOR BOTTLES OR SIMILAR

Publication  
**EP 0394750 A3 19910508 (DE)**

Application  
**EP 90106888 A 19900410**

Priority  
DE 8905137 U 19890424

Abstract (en)  
[origin: EP0394750A2] The invention relates to a dosing pump (1) which can be placed in particular on bottles or the like, having a pump bellows (B) and two valves (V1, V2) of which the one, inflow-side valve (V1) is seated in the base region of a pot (T) which is connected in a plug-in manner to the elastically restoring pump bellows (B) and surrounds the pump bellows. The pump bellows forms, at its lower end, a foot support ring (21), which forms a free-standing lip section (22). For the purpose of optimisation in respect of co-ordination and design technology, the invention provides for the folding leg (24) of the final fold (17''') of the pump bellows (B) to extend upwards and outwards starting from a connecting point (23) of the lip section (22) for the foot support ring (21), and for the lip section (22) to extend downwards and outwards in such a way that the lip section (22) encloses with the folding leg (24) approximately a right angle (  $\alpha$  ), the angle bisecting line (z-z) running approximately in the horizontal plane.  
<IMAGE>

IPC 1-7  
**B05B 11/00**

IPC 8 full level  
**B05B 11/00** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)  
**B05B 11/00442** (2018.07 - EP US); **B05B 11/1035** (2023.01 - EP); **B05B 11/1047** (2023.01 - EP)

Citation (search report)  
• [A] EP 0304567 A1 19890301 - ANDRIS RAIMUND  
• [A] EP 0194417 A2 19860917 - MEGA PROD VERPACK MARKETING [DE]

Cited by  
EP0649682A3; US5664703A; FR2671330A1; EP0720951A1; DE4110303A1; US5316198A; US5238156A; DE4110302A1; EP0941208A4; US11938495B2; WO9637308A1; EP3736049A1; US2022250105A1; WO2020225223A1; EP2763796B1

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

DOCDB simple family (publication)  
**EP 0394750 A2 19901031**; **EP 0394750 A3 19910508**; DE 8905137 U1 19900823; JP H03655 A 19910107

DOCDB simple family (application)  
**EP 90106888 A 19900410**; DE 8905137 U 19890424; JP 10548790 A 19900423