

Title (en)  
DEVICE FOR MOVING DOSING PISTONS AND FILLING NOZZLES

Publication  
**EP 0100481 B1 19870114 (DE)**

Application  
**EP 83107073 A 19830720**

Priority  
DE 3228935 A 19820803

Abstract (en)  
[origin: ES8404268A1] The subject of the invention is an apparatus for moving dispensing pistons (5) and filling tubes (18) in the charging of containers, it being necessary on the one hand during the dispensing and depending on the filling product, to vary the rate and on the other hand to suit the travel rate of the filling tube to the rising filling level. This is achieved substantially by the fact that the dispensing piston (5) and the filling tube (18) are operated in each case with the assistance of screwed spindles (7 and 11), the drive being provided through infinitely variable electric motors (10, 12). Programmes can very readily be set for the individual movements, the drive being controlled for this purpose and the spindles (7, 11) being particularly suitable for the transmission of the movement.

IPC 1-7  
**B65B 3/32**; **B65B 39/12**

IPC 8 full level  
**B65B 3/32** (2006.01); **B65B 39/12** (2006.01)

CPC (source: EP US)  
**B65B 3/32** (2013.01 - EP US); **B65B 39/12** (2013.01 - EP US); **Y10T 74/18576** (2015.01 - EP US)

Citation (examination)  
US 3744538 A 19730710 - NASICA J, et al

Cited by  
CN111703600A; EP0853041A1; US5950691A; EP0630810A1; FR2706857A1; US5443180A; WO9500394A1

Designated contracting state (EPC)  
DE NL SE

DOCDB simple family (publication)  
**EP 0100481 A2 19840215**; **EP 0100481 A3 19850619**; **EP 0100481 B1 19870114**; AT 386182 B 19880711; AT A262283 A 19871215; BE 897374 A 19831114; CH 659804 A5 19870227; DE 3228935 A1 19840209; DE 3228935 C2 19841031; DE 3369102 D1 19870219; ES 524723 A0 19840501; ES 8404268 A1 19840501; FR 2531403 A1 19840210; FR 2531403 B1 19870213; GB 2124600 A 19840222; GB 2124600 B 19851120; GB 8319836 D0 19830824; IT 1175108 B 19870701; IT 8383431 A0 19830728; US 4537230 A 19850827

DOCDB simple family (application)  
**EP 83107073 A 19830720**; AT 262283 A 19830718; BE 211235 A 19830726; CH 389083 A 19830715; DE 3228935 A 19820803; DE 3369102 T 19830720; ES 524723 A 19830803; FR 8312118 A 19830721; GB 8319836 A 19830722; IT 8343183 A 19830728; US 51967683 A 19830802