

Title (en)  
Filling head

Title (de)  
Füllkopf

Title (fr)  
Tête de remplissage

Publication  
**EP 1457457 A2 20040915 (EN)**

Application  
**EP 04005259 A 20040305**

Priority  
IT BO20030024 U 20030311

Abstract (en)  
Head for carousels for filling bottles or other containers, of the type which comprises a body (1) with a conduit (3) for feeding the liquid to put into the bottles and with a discharge mouth open downwards, up against which the mouth of the bottle to fill with liquid coming from said feed conduit can be abutted tightly, which comprises a valve means (5) for intercepting the flow of liquid between said conduit and said discharge mouth and which comprises a tube (14) which axially engages the bottle during the filling stage, with a penetration correlated with the filling level established for the bottle itself, and which is mobile through the said body (1) and is connected to lowering and raising means abutted on a cam (25) coaxially arranged in the carousel itself. The abovementioned cam is mounted on vertical guide means and is connected to axial displacement actuators (26), for example of the screw and nut screw type, actuated by at least one electric motor with electronic speed and timing control, which is connected by means of an interface (27) to an arithmetic unit (28) with associated inquiry/programming unit (29), by means of which it is possible to set said cam (25) in such a height position that the tubes (14) connected kinematically to it are found case by case in the height position required for filling the bottles to the desired level or for the filling head washing or sanitization stage. <IMAGE>

IPC 1-7  
**B67C 3/26**; **B67C 3/00**

IPC 8 full level  
**B67C 3/26** (2006.01)

CPC (source: EP)  
**B67C 3/262** (2013.01); **B67C 2003/2645** (2013.01)

Cited by  
CN109941946A; EP2263940A1; ITMO20100238A1; CN113292028A; CN111348229A; EP3453673A1; EP1995208B2

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