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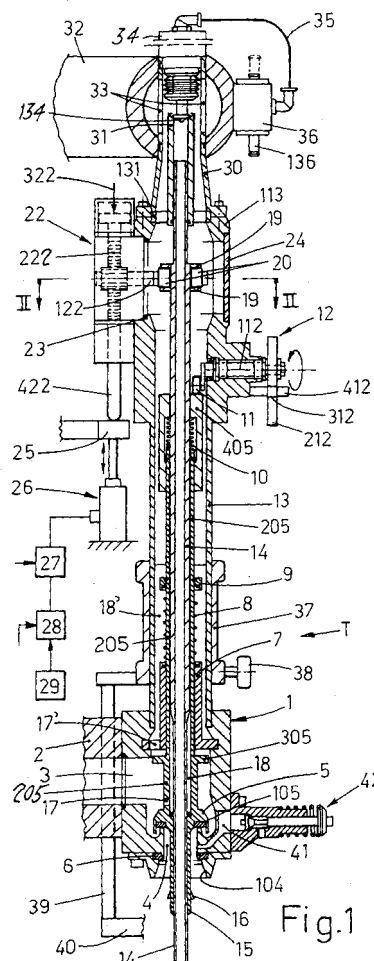
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(54) **Filling head**

(57) 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.



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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 6 October 2004	Examiner Desittere, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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