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(54) Manual viscous liquid dispensing device

(57) A dispenser (10) for manually dispensing pasty, semi-fluid products that must be applied with control and accuracy incorporates a unique integral trigger (22) and pawl (24) drive mechanism (20), in which the drive (20) is activated by a trigger (22) or actuator. A product dispensing cartridge is attached to the front of the dispenser (10) via a cartridge holding mechanism. As the trigger (22) is depressed, the pawl drive mechanism (20) engages and advances a plunger (40) into the product container, contacting and advancing a piston within the car-

tridge which in turn advances and expels product from a cartridge dispensing outlet. At the completion of the stroke, the trigger (22) is released and the drive mechanism (20) disengages the plunger (40), the disengagement interaction between the drive mechanism (20) and the plunger (40) causing the latter to move rearwards. A floating gripper (52), disposed on the plunger, limits the amount of this rearward movement, the effect of which is to decompress the product cartridge and thus prevent drooling after the completion of dispensation.

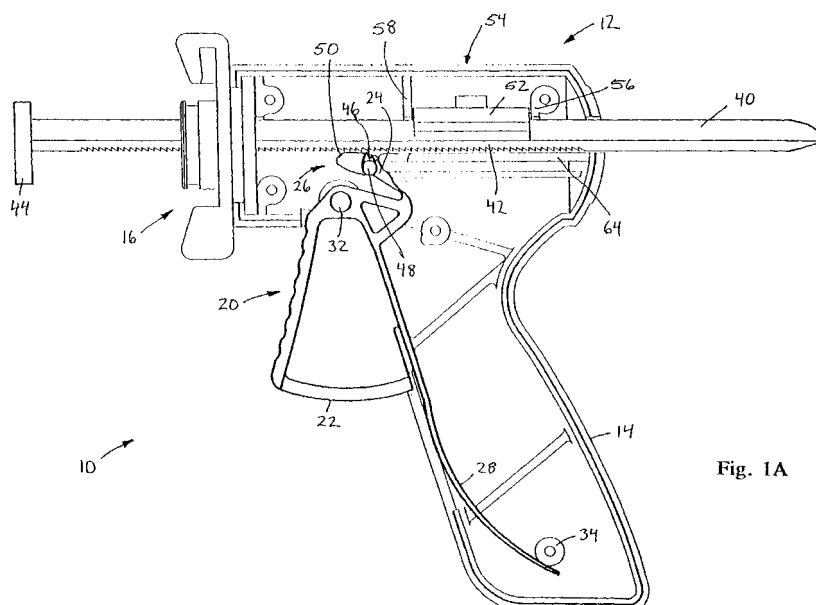


Fig. 1A

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EUROPEAN SEARCH REPORT

Application Number
EP 99 31 0590

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			B05C B65D A61M
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 March 2003	Examiner Jelercic, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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