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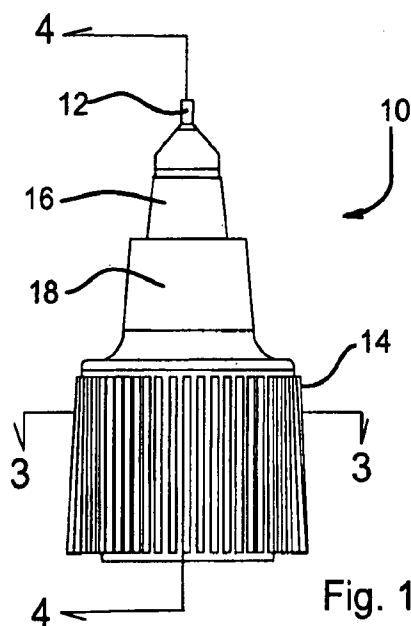
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(54) Title: CANNULA TIP EYE DROP DISPENSER



(57) Abstract: The present invention involves an eye drop dispenser attachment having a cannula tip that can provide a consistent dose of medication. The attachment includes a base portion, a neck portion, and a tip portion. The base portion can contain threads for removable attachment to a bottle. The attachment can also include a protective covering for surrounding the tip to prevent injury to a user. The attachment can further include a cap that can be removably attached to either the base portion or the neck portion. The attachment can be incorporated into a bottle assembly or it can be screwed onto an existing bottle. The tip preferably has dimensions consistent with current ophthalmic cannula technology in the range of 20-40 gauge depending on the size of drop desired. An alternate embodiment of the attachment can be slidably disposed on the end of a traditional bulb-type eye drop-per.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/07659

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61M 35/00 (2008.04)

USPC - 604/298

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61M 35/00 (2008.04)

USPC - 604/298

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 604/289, 290, 294, 295, 298, 299, 310

(Text Search)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB, USPT, USOC, EPAB, JPAB); DialogPRO (Engineering) and Google Scholar.

Search Terms: eyedrop, eye drop, microliter, cannula, tip, dispens\$, base, lower neck, upper neck, cap, friction, frictional, drop, droplet, liquid, soft, bumper, flexible, thermoplastic, ABS, neck, material, container, bottle, mini, nozzle

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                         | Relevant to claim No.  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Y         | US 2003/0209570 A1 (JOSHI et al.) 13 November 2003 (13.11.2003) fig 1-3; para [0020]-[0023], [0030].                                       | 1-18, 22 and 23        |
| Y         | US 4,917,274 A (ASA et al.) 17 April 1990 (17.04.1990) claim 5; fig 1; col 1, ln 13-18; col 1, ln 53-67; col 2, ln 40-63; col 3, ln 45-49. | 1-23                   |
| Y         | US 4,909,801 A (CASEY et al.) 20 March 1990 (20.03.1990) fig 1, 2; col 3, ln 51-68; col 4, ln 1-22; col 4, ln 55-68; col 5, ln 1-7.        | 6-8, 13, 14, 20 and 21 |
| Y         | US 4,563,104 A (SAINT-AMAND) 07 January 1986 (07.01.1986) col 1, ln 17-38; col 1, ln 48-68; col 2, ln 1-27; col 2, ln 40-55.               | 19-23                  |

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