Exhibit 1020



(12) Patent Application Publication (10) Pub. No.: US 2003/0190290 A1 Oct. 9, 2003 Ross (43) Pub. Date: (54) PHARMACEUTICAL COMPOSITIONS (76) Inventor: Calvin Ross, Hants (GB) **Publication Classification** Correspondence Address: MINTZ, LEVIN, COHN, FERRIS, GLOVSKY A61K 31/445 AND POPEO, P.C. ONE FINANCIAL CENTER (52) **U.S. Cl.** 424/45; 514/282; 514/317 **BOSTON, MA 02111 (US)** (21) Appl. No.: 10/312,200 **ABSTRACT** (57)(22) PCT Filed: Jun. 22, 2001 The present invention relates to compositions and dispens-(86) PCT No.: PCT/GB01/02761 ing devices for improved administration of fentanyl and other opioid analgesics, such as alfentanil, carfentanil, (30)Foreign Application Priority Data remifentanil, sufentanil, buprenorphine, morphine, diamor-

phine, and the like.

(19) United States

Jun. 22, 2000 (GB) 0015360.1



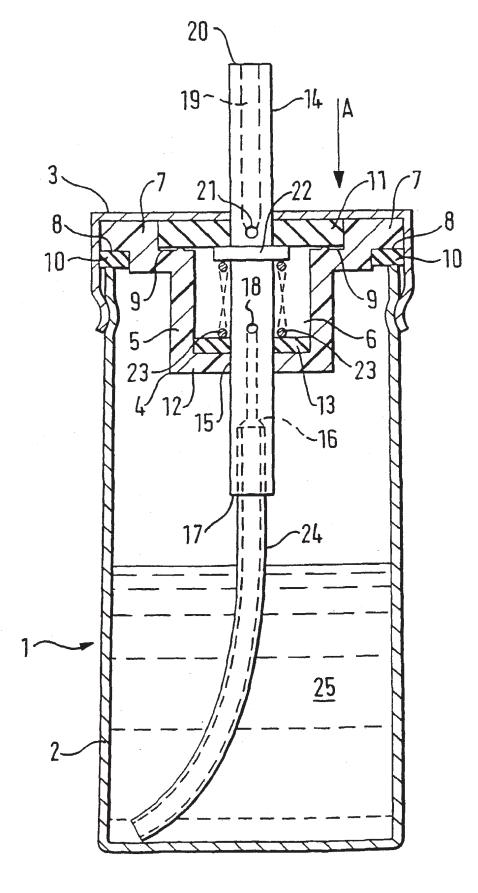
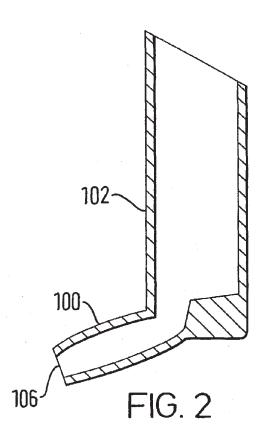
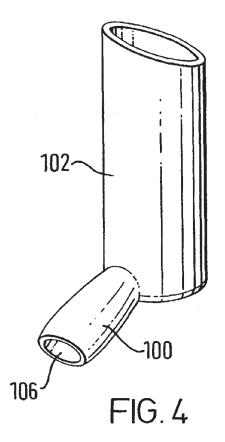
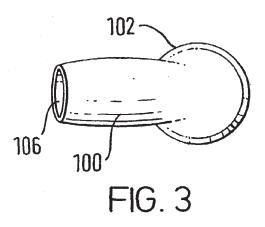


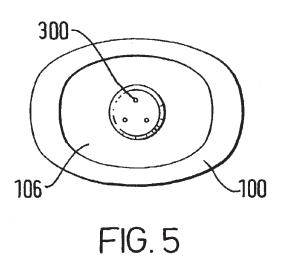
FIG. 1











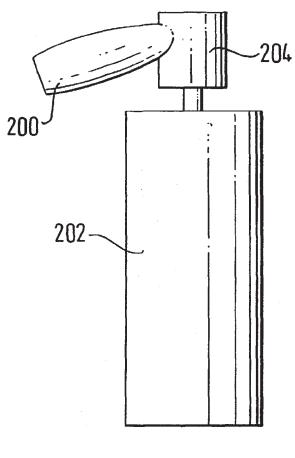


FIG. 6

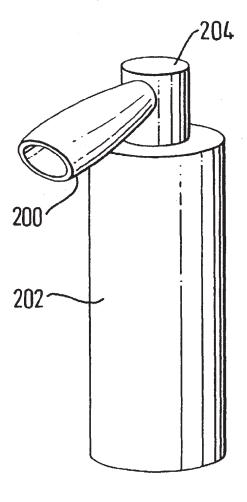


FIG.7

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