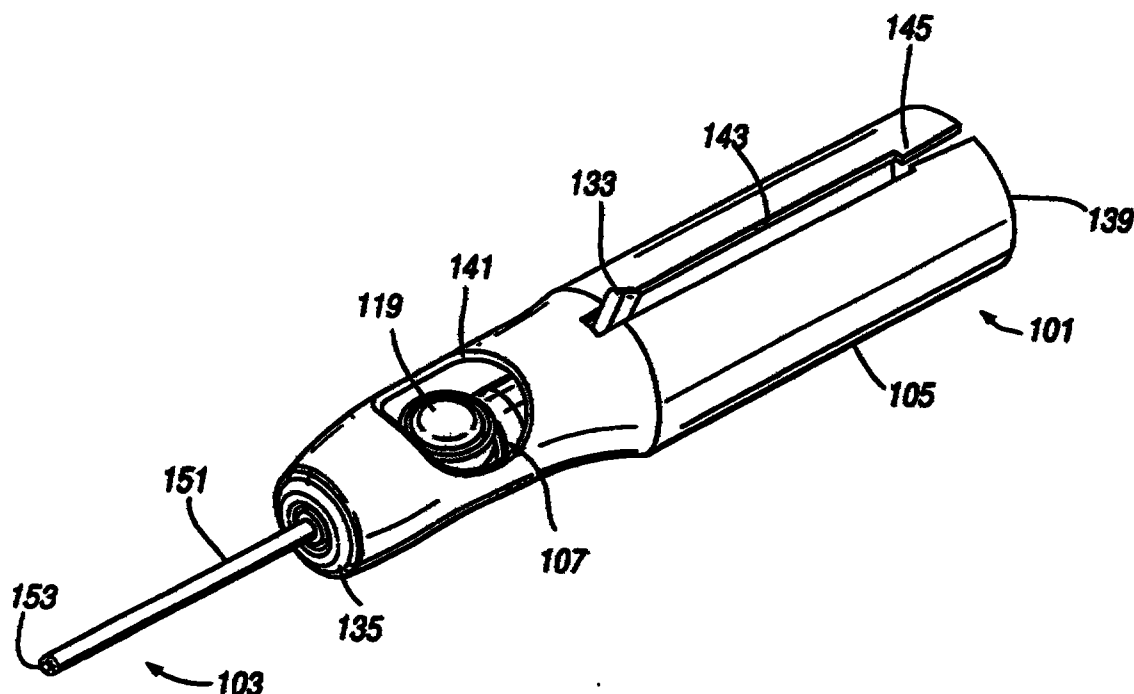




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: A61M 31/00, 11/06, 3/00	A1	(11) International Publication Number: WO 99/32185 (43) International Publication Date: 1 July 1999 (01.07.99)
(21) International Application Number: PCT/SE98/02318 (22) International Filing Date: 15 December 1998 (15.12.98) (30) Priority Data: 9704769-0 19 December 1997 (19.12.97) SE (71) Applicant (for all designated States except US): ASTRA AKTIEBOLAG [SE/SE]; S-151 85 Södertälje (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): EEK, Arne [SE/SE]; Astra Pain Control AB, S-151 85 Södertälje (SE). NILSON, Billy [SE/SE]; Finnstugatan 30, S-595 35 Mjölby (SE). (74) Agent: ASTRA AKTIEBOLAG; Intellectual Property, Patents, S-151 85 Södertälje (SE).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>

(54) Title: DEVICE FOR DELIVERING LIQUID CONTAINING MEDICAMENT



(57) Abstract

A delivery means for delivering liquid containing medicament to a posterior region of the nasal cavity, comprising an elongate tubular member (35; 151) and a nozzle (37; 153) at the free end thereof, which nozzle (37; 153) includes at least one opening (39; 155) through which liquid is in use delivered.