(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 October 2014 (23.10.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/169929 A1

(51) International Patent Classification:
A61J 1/14 (2006.01)

(21) International Application Number:
PCT/EP2013/001149

(22) International Filing Date:
18 April 2013 (18.04.2013)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **WEST PHARMACEUTICAL SERVICES DEUTSCHLAND GMBH & CO. KG** [DE/DE]; Stolberger Straße 21-41, 52249 Eschweiler (DE).

(72) Inventor: **BECKER, Bernd**; Colynshofstr. 24, 52074 Aachen (DE).

(74) Agents: **BÖRJES-PESTALOZZA, Heinrich** et al.; Urachstraße 23, 79102 Freiburg i. Br. (DE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(54) Title: STORAGE OR INFUSION BOTTLE

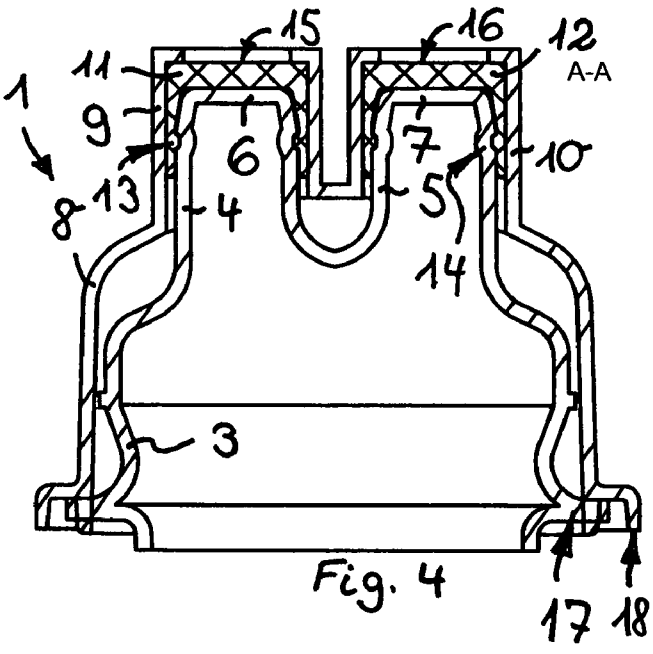

Fig. 4

(57) Abstract: The present invention relates to a storage or infusion bottle (1) with a bottle neck (3) moulded integrally thereon, the bottle neck having at least one teat-shaped bottle feature (4, 5) projecting from its mouth end, the closed teat end wall (6, 7) of said bottle feature being designed to be puncturable by an infusion needle. The storage or infusion bottle (1) according to the invention is characterized in that a cap (8) is attachable to the bottle neck (3), in that the cap (8) has at least one funnel-shaped cap feature (9, 10), its (9, 10) feature interior space accommodating at least the free end region of the corresponding bottle feature (4, 5), and in that the intermediate space between the end wall of the at least one bottle feature (4, 5) and the opposing side of the corresponding cap feature (9, 10) is completely filled by a hat-shaped sealing element (11, 12) which encloses the bottle feature (4, 5) at least in its end region facing away from the storage or infusion bottle (1) and which is held at the circumference of its hat shape in a form-fitting and/or force-fitting manner on the circumference of the bottle feature (4, 5).

WO 2014/169929 A1