

Title (en)
LIQUID POURING MEMBER AND CONTAINER

Title (de)
FLÜSSIGKEITSAUSGIESSER UND BEHÄLTER

Title (fr)
ÉLÉMENT VERSEUR DE LIQUIDE ET CONTENEUR

Publication
EP 3663223 B1 20240207 (EN)

Application
EP 18840620 A 20180803

Priority
• JP 2017151539 A 20170804
• JP 2018098531 A 20180523
• JP 2018029147 W 20180803

Abstract (en)
[origin: EP3663223A1] To provide a liquid pouring member capable of effectively preventing the liquid from spouting upon opening. An inner plug 1 includes a nozzle 2, a base 3 to be engaged with an opening of a container, and a hollow cylindrical skirt 4. The nozzle 2 includes a nozzle upper part 5 extending from an upper surface 16 of the base 3 and a nozzle lower part 6 extending from a lower surface 17 of the base 3. The nozzle upper part 5 includes an outlet port 7, and the nozzle lower part 6 includes an inlet port 8. An inner passage 9 is formed from the inlet port 8 to the outlet port 7 while penetrating therethrough. The nozzle lower part 6 is formed in a radial inner side of the skirt 4, and includes an end portion 11 with an inclined surface 12. The inlet port 8 is formed in the inclined surface 12. The nozzle lower part 6 includes a column portion 10 vertically extending from the lower surface 17 of the base 3. The column portion 10 includes a side surface 24 and a bottom surface 25. An edge portion between the side surface 24 and the bottom surface 25 forms an angular portion 13 at an angle of 90°. The end portion 11 protrudes from the skirt 4. The inner passage 9 includes a constriction 20 with its sectional area of a passage smaller than that of the other part.

IPC 8 full level
B65D 47/06 (2006.01); **B65D 47/08** (2006.01); **B65D 47/12** (2006.01); **B65D 47/18** (2006.01); **B65D 47/40** (2006.01); **B65D 51/18** (2006.01)

CPC (source: EP US)
B65D 47/0814 (2013.01 - EP US); **B65D 47/123** (2013.01 - EP US); **B65D 51/18** (2013.01 - EP US); **B65D 2251/0015** (2013.01 - EP US); **B65D 2251/0087** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3663223 A1 20200610; **EP 3663223 A4 20210428**; **EP 3663223 B1 20240207**; AU 2018312303 A1 20200227; AU 2018312303 B2 20231214; CA 3071620 A1 20190207; CN 110914170 A 20200324; CN 110914170 B 20210907; JP 2019031331 A 20190228; JP 7066134 B2 20220513

DOCDB simple family (application)
EP 18840620 A 20180803; AU 2018312303 A 20180803; CA 3071620 A 20180803; CN 201880050818 A 20180803; JP 2018098531 A 20180523