

Title (en)
EXTRACTION TOOL

Title (de)
EXTRAKTIONSWERKZEUG

Title (fr)
OUTIL D'EXTRACTION

Publication
EP 1970322 A1 20080917 (EN)

Application
EP 06833788 A 20061130

Priority
• JP 2006323985 W 20061130
• JP 2005354156 A 20051207
• JP 2006229845 A 20060825

Abstract (en)
The present invention is to provide a pouring device (1) with a closable cap that can pour the content to the last, when pouring the content from a container. By molding a pouring device body (2) and a cap (6) by integral molding, wherein the pouring device body comprises an inner tube part (4) with a small diameter that can be inserted in the container as the container is opened, and having an opening (24) on the tip end, and an outer tube part (3) with a large diameter, and having a pour opening and located outside the container, wherein the inner tube part and outer tube part are connected by being communicated each other, and wherein the cap is connected via a hinge (5) in the vicinity of the pour opening of the outer tube part (3), enabling to close and reopen the pour opening. A hole (23) is formed on the upper side of the periphery of the inner tube part (4) corresponding to the opposite position in the circumferential direction of the hinge connecting part of the outer tube (3) so that the liquid of the container can be poured to the last drop. Projection (41) is provided at a level upper than the hole (23) to keep the pouring device body (2) stable by abutting from the inner surface side of the container to the wall surface of the container when opening the cap, to make the abutting surface (32) of the lower end of the outer tube part (3) with the container to be an inclined surface inclined at 10 - 45 degree.

IPC 8 full level
B65D 47/06 (2006.01); **B65D 5/74** (2006.01); **B65D 47/08** (2006.01); **B65D 51/22** (2006.01); **B67B 7/48** (2006.01)

CPC (source: EP KR)
B65D 5/74 (2013.01 - KR); **B65D 47/06** (2013.01 - KR); **B65D 51/22** (2013.01 - KR); **B67B 7/26** (2013.01 - EP)

Cited by
EP2328828A4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1970322 A1 20080917; **EP 1970322 A4 20131127**; CN 101365630 A 20090211; CN 101365630 B 20110119; JP 2007182258 A 20070719; JP 5010211 B2 20120829; KR 101282762 B1 20130705; KR 20080091121 A 20081009; TW 200744903 A 20071216; TW I374106 B 20121011; WO 2007066575 A1 20070614

DOCDB simple family (application)
EP 06833788 A 20061130; CN 200680045428 A 20061130; JP 2006229845 A 20060825; JP 2006323985 W 20061130; KR 20087015852 A 20061130; TW 95145409 A 20061206