

Title (en)
DISPENSING VALVE

Title (de)
ABGABEVENTIL

Title (fr)
VALVE DE DISTRIBUTION

Publication
EP 2755899 A1 20140723 (EN)

Application
EP 11872281 A 20110913

Priority
US 2011051390 W 20110913

Abstract (en)
[origin: WO2013039482A1] A flexible, resilient, slit valve (10) including a flexible, resilient head (12) centered on a central axis (27) and extending laterally therefrom, an annular, peripheral attachment portion (19) centered on the central axis, and an annular, flexible, resilient, intermediate portion (20). The head has a convex interior surface (16) and a concave exterior surface (14). The intermediate portion (20) has an interior surface (26) an exterior surface (24). The exterior surfaces (14, 24) intersect at a circular line of intersection (32) having a diameter D1. The exterior surface (24) and the peripheral attachment portion (19) intersect at a circular line of intersection (34) having a diameter D2. The lines of intersection (32, 34) lie in parallel planes extending transverse to the central axis (27) and spaced from each other along the central axis by a distance L1. The ratio of D1/D2 is in the range of 0.600 to 0.900 and the ratio of D2/L1 is in the range of 14.000 to 19.000 in an as-molded condition of the valve (10).

IPC 8 full level
B65D 47/20 (2006.01)

CPC (source: EP US)
B65D 47/2031 (2013.01 - EP US)

Cited by
US11345523B2

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)
WO 2013039482 A1 20130321; AR 084638 A1 20130529; AU 2011376947 A1 20140306; BR 112014005552 A2 20170321; CA 2846421 A1 20130321; CN 103781708 A 20140507; EP 2755899 A1 20140723; EP 2755899 A4 20150225; EP 2755899 B1 20160302; ES 2565960 T3 20160407; MX 2014002009 A 20140327; MX 342359 B 20160927; PL 2755899 T3 20160930; RU 2014114510 A 20151020; US 2014209644 A1 20140731

DOCDB simple family (application)
US 2011051390 W 20110913; AR P110104989 A 20111228; AU 2011376947 A 20110913; BR 112014005552 A 20110913; CA 2846421 A 20110913; CN 201180073432 A 20110913; EP 11872281 A 20110913; ES 11872281 T 20110913; MX 2014002009 A 20110913; PL 11872281 T 20110913; RU 2014114510 A 20110913; US 201114239030 A 20110913