

Title (en)  
SPOUT FOR FLEXIBLE FLUID RESERVOIR

Title (de)  
AUSGIESSTÜLLE FÜR FLEXIBLEN FLÜSSIGKEITSBEHÄLTER

Title (fr)  
BEC VERSEUR POUR RÉSERVOIR DE FLUIDE SOUPLE

Publication  
**EP 2252523 A2 20101124 (EN)**

Application  
**EP 09703589 A 20090122**

Priority  
• US 2009000481 W 20090122  
• US 1196308 P 20080122

Abstract (en)  
[origin: WO2009094215A2] Spouts, particularly for flexible fluid reservoirs, include a generally cylindrical neck portion and a pair of opposed, generally triangular portions extending laterally there from characterized as spout-film or spout weld interface(s). Invention embodiments include use of a spout material having a melting temperature that is closely matched to at least a portion of film-spout or film weld interface(s), which are part of the flexible fluid reservoir film; use of spout weld interface surface characteristics characterized as substantially flat and/or smooth, and/or characterized as negative relief surface features such as holes or depressions; use of at least one stress delocalizing feature characterized as flexible appendages, preferably at the convergence of opposing sides of a spout (the apex of the triangular portions) or at neck portions that form a portion of the spout weld interfaces, which depend beyond the spout weld interface and into the reservoir; and/or use of spout edges and/or portions of the spout weld interfaces that are flexible in comparison to the neck portion of the spout.

IPC 8 full level  
**B29C 65/02** (2006.01); **B65D 75/58** (2006.01)

CPC (source: EP US)  
**B29C 65/02** (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/133** (2013.01 - EP US); **B29C 66/21** (2013.01 - EP US); **B29C 66/234** (2013.01 - EP US); **B29C 66/242** (2013.01 - EP US); **B29C 66/322** (2013.01 - EP US); **B29C 66/343** (2013.01 - EP US); **B29C 66/53263** (2013.01 - EP US); **B29C 66/73115** (2013.01 - EP US); **B29C 66/73116** (2013.01 - EP US); **B65D 75/5883** (2013.01 - EP US); **B29C 65/04** (2013.01 - EP US); **B29C 66/342** (2013.01 - EP US); **B29C 66/71** (2013.01 - EP US); **B29K 2023/0625** (2013.01 - EP US); **B29K 2023/065** (2013.01 - EP US); **B29K 2995/0082** (2013.01 - EP US)

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009094215 A2 20090730; WO 2009094215 A3 20100114**; CA 2712761 A1 20090730; EP 2252523 A2 20101124; EP 2252523 A4 20120307; JP 2011509897 A 20110331; US 2011062192 A1 20110317

DOCDB simple family (application)  
**US 2009000481 W 20090122**; CA 2712761 A 20090122; EP 09703589 A 20090122; JP 2010544355 A 20090122; US 84200210 A 20100722