

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 A4 20120307 (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.

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Citation (search report)  
• [X] WO 9906301 A1 19990211 - ICI PLC [GB], et al  
• [X] US 7232042 B2 20070619 - LAST LAURENS [MC]  
• [X] JP H07251881 A 19951003 - TOYO SEIKAN KAISHA LTD  
• See references of WO 2009094215A2

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