

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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