

Title (en)
Lid ring for allowing flange tilting and method for preparing and forming a lid

Title (de)
Verfahren zur Herstellung eines Deckels und Deckelring zum Neigen des Flansches

Title (fr)
Bague de couvercle pouvant fléchir et procédé permettant de former un couvercle

Publication
EP 2055641 A1 20090506 (EN)

Application
EP 07119557 A 20071029

Priority
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Abstract (en)
The invention concerns a method for preparing or using or forming a lid. The lid or lid ring is concerned as well. The lid (1) comprises a lid ring and a lid foil or membrane, which work together and are coupled together by a sealing portion which seals in ring-like fashion the membrane as panel to a flange of the preferably metallic ring. The suggested lid ring (2) having a first and second attaching portion as radially inner and radially outer portions and an intermediate linking portion, connecting first and second portions, The first portion having a ring surface adapted to carry a sealed foil (3) as panel, said foil having an outer ring band(3b) for sealing on the ring surface (2b). Said outer portion (2a) adapted to be seamed to an edge of a container body. The linking portion provided and configured as circumferential hinge (30). The first and second portions being tiltable relative to each other upon pressure applied to the sealed foil as panel, sealed on the ring surface of the first portion. A change of slope (inclination) of the first portion of the ring happens during retorting, reforming after retort or use of the lid ring with the foil as panel sealed thereto.

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Citation (applicant)
• WO 2007088212 A1 20070809 - IMPRESS METAL PACKAGING SA [FR], et al
• WO 2005005277 A1 20050120 - CROWN PACKAGING TECHNOLOGY INC [US], et al
• WO 2007045385 A1 20070426 - ALCAN TECH & MAN LTD [CH], et al
• US 4680917 A 19870721 - HAMBLETON THOMAS P [US], et al
• US 5752614 A 19980519 - NELSON BRIAN E [US], et al

Citation (search report)
• [AD] WO 2007088212 A1 20070809 - IMPRESS METAL PACKAGING SA [FR], et al
• [A] US 4680917 A 19870721 - HAMBLETON THOMAS P [US], et al
• [A] US 5752614 A 19980519 - NELSON BRIAN E [US], et al
• [AD] WO 2005005277 A1 20050120 - CROWN PACKAGING TECHNOLOGY INC [US], et al

Citation (examination)
WO 2005019047 A2 20050303 - IMPRESS GROUP BV [NL], et al

Cited by
US9475620B2; WO2012072383A1; US2011240641A1; US2013248533A1; US9073681B2; US9764863B2

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