

Title (en)
Container with a non-planar seal between base and lid

Title (de)
Behälter mit einer abgewinkelten Dichtung zwischen Unterteil und Deckel

Title (fr)
Récipient avec un dispositif d'étanchéité coudé entre la base et le couvercle

Publication
EP 1084960 A1 20010321 (EN)

Application
EP 00119589 A 20000907

Priority
US 39459999 A 19990913

Abstract (en)
A non-planar seal between a container (10) having a base (12) and lid (14). The base (12) has a rim (22) which includes a first seal component (28). The lid has a rim (26) which includes a second seal component (30). The first and second seal components (28,30) interact to provide a seal, for example a water-tight seal, when the lid (14) is mounted to the container (10) to thus protect the contents of the container (10). The seal is formed along a locus of points defining a non-linear plane, or curved surface. The first and second seal components (28,30) are oriented so as to extend substantially normal to the non-linear plane at any given point along the seal. This arrangement permits greater design possibilities due to fewer restraints on seal component placement, while still providing excellent sealing properties for the container (10).

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B65D 43/02

IPC 8 full level
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Citation (search report)
• [X] FR 2693172 A1 19940107 - VYNEX SA [FR]
• [A] US 5425467 A 19950620 - FEER DAVID L [US], et al

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US7146848B2; WO03082690A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 1084960 A1 20010321; **EP 1084960 B1 20041201**; AR 025637 A4 20021204; AT E283803 T1 20041215; AU 5500400 A 20010322; BR 0004122 A 20010619; CA 2317267 A1 20010313; CZ 20003322 A3 20011212; CZ 294738 B6 20050316; DE 60016340 D1 20050105; DE 60016340 T2 20050512; ES 2233261 T3 20050616; HR P20000593 A2 20010630; HU 0003628 D0 20000913; HU P0003628 A2 20011228; HU P0003628 A3 20020128; IL 138169 A0 20011031; IS 5607 A 20010314; JP 2001114318 A 20010424; NO 20004472 D0 20000907; NO 20004472 L 20010314; PL 198976 B1 20080829; PL 342482 A1 20010326; PT 1084960 E 20050331; ZA 200004522 B 20010228

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