

Title (en)
Container cover

Title (de)
Behälterabdeckung

Title (fr)
Couvercle de récipient

Publication
EP 2530032 A1 20121205 (EN)

Application
EP 12170604 A 20120601

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US 201113153323 A 20110603

Abstract (en)
A cover (10) suitable for use on a liquid containing reservoir. The cover (10) is composed of an envelope of porous material (12, 14). The envelope is subdivided into discrete independent compartments (20, 22, 24, 26). The compartments (20, 22, 24, 26) each have access (30, 32, 34, 36) to the internal volume for purposes of receiving a charge of hollow spheres (38). A centrally disposed collection member (42) is positioned at the intersection of the independent compartments (20, 22, 24, 26). This position is effectively the centre of mass of the cover (10) once charged with spheres (38) and permits expedited positioning and adjustment of the cover (10) on the surface of the liquid container. The independent compartments (20, 22, 24, 26) facilitate controlled consolidation of the spheres (38) therein and allow for simple positioning and removal of the cover (10) which was challenging with prior art arrangements. The latter typically had to be folded or rolled causing manipulation difficulties and causing potentially hazardous situations during manipulation. Advantageously, the present invention provides all of the benefits typically associated with spherical geometry in terms of precipitation run off and further provides for significant insulation capacity for the cover (10).

IPC 8 full level
B65D 88/34 (2006.01)

CPC (source: EP US)
B65D 88/34 (2013.01 - EP US); **E04H 4/106** (2013.01 - EP US)

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