

Title (en)

Flexible container for transport and storage of bulk material and a method for its manufacture.

Title (de)

Flexibler Behälter für den Transport und die Lagerung von Schüttgütern sowie seine Herstellung.

Title (fr)

Conteneur souple pour le transport et le stockage de produits pulvérulents et méthode de construction.

Publication

EP 0111852 A2 19840627 (EN)

Application

EP 83112416 A 19831209

Priority

NO 824157 A 19821210

Abstract (en)

The present invention relates to a flexible container for transport and storage of bulk material and a method for its manufacture. The container shall endure the strains it is exposed to during a drop test in the bursting zone having a radial bursting effect. The container (1) consists of a hose-formed piece of material which upper part is joined with its central part (12) by joints (8) which form an angle $0 \text{ DEG} < x < 90 \text{ DEG}$, preferably $30 \text{ DEG} < x < 60 \text{ DEG}$ with the longitudinal direction of the material. The joints (8) can be in the form of a V or W and the extreme point (B) if preferably above the bursting zone (9). The container (1) can be made from a flattened hose-formed piece of material which is cut in two symmetrical parts (1) along a line cut a, a min, b min, b where the lines a, a min and b min, b form an angle $0 \text{ DEG} < x < 90 \text{ DEG}$ with the longitudinal axis of the material and the line $(a \text{ min} - b \text{ min}) \neq 0$ is vertical in the middle of the piece of material (1) on both sides of the folded line (1). The upper part of the piece of material (1) is folded over the line (2) and joined with the part (12) along cut lines for forming lifting loops (5). The container combines the requirements to high tensile strength and high resistance to strain in the bursting zone (9).

IPC 1-7

B65D 88/16

IPC 8 full level

B65D 88/16 (2006.01)

CPC (source: EP)

B65D 88/1612 (2013.01); **B65D 88/1681** (2013.01)

Cited by

US4989792A; WO03051780A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0111852 A2 19840627; **EP 0111852 A3 19851030**; CA 1215001 A 19861209; DK 566983 A 19840611; DK 566983 D0 19831209; ES 285028 U 19850716; ES 285028 Y 19860401; FI 69436 B 19851031; FI 69436 C 19860210; FI 834476 A0 19831207; FI 834476 A 19840611; NO 151279 B 19841203; NO 151279 C 19850313; NO 824157 L 19840612; PT 77801 A 19840101; PT 77801 B 19860320; TR 22005 A 19860102

DOCDB simple family (application)

EP 83112416 A 19831209; CA 442883 A 19831208; DK 566983 A 19831209; ES 285028 U 19831209; FI 834476 A 19831207; NO 824157 A 19821210; PT 7780183 A 19831209; TR 2200583 A 19831212