

Title (en)

Bulk material container with hinged opening door pivotable about an axis

Title (de)

Schüttgutbehälter mit einer um eine Achse schwenkbaren Öffnungsklappe

Title (fr)

Réceptient à produits en vrac avec porte d'ouverture à rabattre pivotante autour d'un axe

Publication

**EP 0941947 B1 20020612 (DE)**

Application

**EP 99104227 A 19990303**

Priority

DE 29804378 U 19980312

Abstract (en)

[origin: EP0941947A1] The container (1) has at least one preferably rectangular flap (2), which pivots about a rotation axis (3) to seal a container discharge opening. At least a first narrow side wall (5) of the flap that is near to or parallel to the rotation axis has at least a part of its cross-section inclined from the front surface of the flap at an angle that is not 90 degrees . The opening side wall is inclined in the opposite sense so that these two angled surfaces fit together and at least partly lie parallel. The narrow side wall of the flap forms an obtuse angle with the outer surface (8) of the flap. As the flap is opened or closed its narrow side wall follows a path (9) in which it gets closer to the flap rotation axis. The oppositely inclined opening side wall surface forms an acute angle with the outside (10) of the container.

IPC 1-7

**B65D 90/62**

IPC 8 full level

**B28C 7/04** (2006.01); **B65D 88/28** (2006.01); **B65D 90/62** (2006.01)

CPC (source: EP)

**B01F 35/451** (2022.01); **B01F 35/751** (2022.01); **B28C 7/0076** (2013.01)

Cited by

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Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**DE 29804378 U1 19980604**; DE 59901692 D1 20020718; EP 0941947 A1 19990915; EP 0941947 B1 20020612

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**DE 29804378 U 19980312**; DE 59901692 T 19990303; EP 99104227 A 19990303