

Title (en)

Waste container lid controlling mechanism

Title (de)

Mechanismus zur Steuerung eines Abfallbehälterdeckels

Title (fr)

Mécanisme de contrôle de couvercle de récipient de déchets

Publication

EP 2072420 A1 20090624 (EN)

Application

EP 07386033 A 20071220

Priority

EP 07386033 A 20071220

Abstract (en)

A lid controlling mechanism for waste containers (1) comprising a substantially flat lid (2) pivotally mounted along an axis (3) at the rear thereof, wherein the mechanism facilitates lid opening, stabilises the lid at a predetermined opened position sufficient for waste disposal into the container, retards movement of the lid back to closed position and allows unhindered rotation of the lid at an angle of 270° in relation to its closed position to appropriately adapt it for a mechanical waste collection process. The mechanism comprises a base member (10b, 20b) for an elastically loaded spring means (10c, 20c), the base member being fixedly mounted centrally onto the inner rear side of the lid, adjacently and perpendicularly oriented with respect to axis (3), and a lever member (10a, 20a) being pivotally connected with the assembly of base member (10b, 20b) and elastically loaded spring means (10c, 20c). A predetermined restricted arc of rotation of lever member (10a, 20a) whilst lever member (10a, 20a) bears against the inner rear side (5) of waste container (1) corresponds to a predetermined arc of rotation of the lid (2) providing an opening of the waste container sufficient for the disposal of waste therein.

IPC 8 full level

B65F 1/16 (2006.01)

CPC (source: EP)

B65F 1/1623 (2013.01); **B65F 2001/1661** (2013.01); **B65F 2001/1669** (2013.01)

Citation (applicant)

- US 6024238 A 20000215 - JAROS PHILIP [US]
- EP 0384484 A1 19900829 - WEISBENDER HELMUT GMBH [DE]
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Citation (search report)

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- [A] CH 530916 A 19721130 - KUSTER & VOGEL AG [CH]
- [A] DE 9109757 U1 19911017

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

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