

Title (en)

Lifting and tipping mechanism for large refuse bins provided with a hinged lid.

Title (de)

Hubkippvorrichtung für grossvolumige Klappdeckel-Müllbehälter.

Title (fr)

Dispositif pour soulever et faire basculer des poubelles de grande capacité munies d'un couvercle basculant.

Publication

**EP 0106260 A2 19840425 (DE)**

Application

**EP 83109891 A 19831004**

Priority

- DE 3238857 A 19821020
- DE 3304656 A 19830210

Abstract (en)

1. A lifting and tilting apparatus for refuse bins which are substantially rectangular in cross-section and have a large volume and consists each of a bin tub, which is adapted to be closed by a hinged cover, which is adapted to be closed by a hinged cover, which apparatus comprises a shaft, which is rotatable by drive means and is provided with means for picking up and fixing the refuse bins, and a control device, which is disposed adjacent to the pour-in opening and consists of levers and links and serves to open the lid as the refuse bin is tilted and is provided with hooks, which when the refuse bin has been tilted through about 90 degrees hook into the abutment for the lid and as the refuse bin is tilted further over its opening open the lid to an angle which increases with the tilting angle of the refuse bin, characterized in that the hook (16) is provided at the free bottom end of a lever (9), which is substantially vertical when in position of rest and adjacent to its top end is pivoted by two spaced apart articulated joints (10, 11) to the top ends of two links (7, 8), the lower ends of which are movably mounted in the frame at spaced apart locations (Figures 1 to 3).

Abstract (de)

Eine Hubkippvorrichtung für Müllbehälter mit im wesentlichen rechteckigem Querschnitt und großem Volumen ist mit Einrichtungen zum Aufnehmen und Festlegen der Müllbehälter und einer aus Hebeln und Lenkern bestehenden Einrichtung zum Öffnen des Deckels während des Kippens des Müllbehälters versehen. Um neben kleineren Müllbehältern auch großvolumige Müllbehälter mit an dem hinteren Rand der Behälterwanne angelenktem Klappdeckel störungsfrei kippen und entleeren zu können, ist an einem in seiner Ruhelage im wesentlichen senkrechten Hebel (9) ein Haken (16) angeordnet, der im Bereich seines oberen Endes in im Abstand voneinander angeordneten Gelenken (10, 11) an den oberen Enden von zwei Lenkern (7, 8) angelenkt ist, deren unteren Enden im Abstand voneinander im Gestell gelagert sind.

IPC 1-7

**B65F 3/12**

IPC 8 full level

**B65F 3/12** (2006.01); **B65F 3/02** (2006.01)

CPC (source: EP)

**B65F 3/12** (2013.01); **B65F 2003/0286** (2013.01)

Cited by

DE19655095C2; CN113650994A

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0106260 A2 19840425**; **EP 0106260 A3 19850925**; **EP 0106260 B1 19881207**; DE 3304656 A1 19840426; DE 3304656 C2 19911031

DOCDB simple family (application)

**EP 83109891 A 19831004**; DE 3304656 A 19830210