

Title (en)

Device for emptying containers, in particular refuse containers, provided with a safety mechanism.

Title (de)

Vorrichtung zum Entleeren von Behältern, insbesondere Müllbehältern, ausgerüstet mit einem Sicherheitsmechanismus.

Title (fr)

Dispositif pour vider des conteneurs, notamment des conteneurs à ordures, pourvus d'un mécanisme de sécurité.

Publication

**EP 0478049 A1 19920401 (EN)**

Application

**EP 91202357 A 19910913**

Priority

NL 9002042 A 19900917

Abstract (en)

A device for emptying containers, in particular refuse containers, into a collection vehicle, intended for the transportation of material, comprises lifting arms carrying a pick-up frame for picking up containers, drive means for moving the lifting arms and the pick-up frame and a control system for the drive means. The pick-up frame (1) is provided with a pick-up element (6) which can grasp a pick-up edge (5) of a container, and, near the pick-up element, with at least one sensing element (8, 9). The sensing element (8, 9) is movably supported on the pick-up frame and is adapted to interact with the bottom side of the pick-up edge (5) of a container, when grasped by the pick-up element (6), and with first switch (14) of the control system for the drive means. The pick-up frame is further provided with a locking element (15) adapted to interact with the top side of the pick-up edge (5) of a container and with detecting means for detecting the position of the locking element (15) relative to the pick-up frame. The detecting means comprise a second switch (16) of the control system for the drive means. <IMAGE>

IPC 1-7

**B65F 3/04**

IPC 8 full level

**B65F 3/04** (2006.01); **B65F 3/02** (2006.01)

CPC (source: EP)

**B65F 3/04** (2013.01); **B65F 2003/0236** (2013.01); **B65F 2003/024** (2013.01)

Citation (search report)

- [Y] DE 8906456 U1 19890727
- [Y] DE 3517491 A1 19861120 - G & S UMWELTECHNIK GMBH [DE]
- [AD] WO 8903794 A1 19890505 - E S D ENTSORGUNGS SYSTEME FUER [DE]
- [A] EP 0358046 B1 19911106

Cited by

EP0728683A1; EP0955252A1

Designated contracting state (EPC)

DE ES FR GB NL

DOCDB simple family (publication)

**EP 0478049 A1 19920401**; **EP 0478049 B1 19950607**; DE 69110228 D1 19950713; DE 69110228 T2 19960208; ES 2075334 T3 19951001; NL 9002042 A 19920416

DOCDB simple family (application)

**EP 91202357 A 19910913**; DE 69110228 T 19910913; ES 91202357 T 19910913; NL 9002042 A 19900917