

Title (en)

Device to pick up and empty rubbish skips onto a motor-vehicle designed to collect refuse

Title (de)

Vorrichtung zum Aufnehmen und Entleeren von Müllbehältern in einem Müllsammelfahrzeug

Title (fr)

Dispositif pour ramasser et vider des conteneurs à ordures dans un véhicule à ordures

Publication

EP 0776835 A1 19970604 (EN)

Application

EP 95830501 A 19951201

Priority

EP 95830501 A 19951201

Abstract (en)

A guide structure (16) susceptible of oscillation in a horizontal axis, slidably carries two grasping arms (20) adapted to come into engagement with attachment pins (7) projecting from the side walls (6a) of a rubbish skip (6). Two fluid-operated cylinders (29) acting on the guide structure (16) move the arms (20) between a grasping position in which they engage the attachment pins (7) and a lifting position in which they bring the skip above a loading hopper (4). An amplification linkage (32, 33) operatively interposed between each fluid-operated cylinder (29) and the guide structure (16) transmits an additional movement to the grasping arms (20) from the grasping position to a rest position in which the downwardly-facing arms are contained within the maximum permissible overall dimensions of the motor-vehicle (2). <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 3/046 (2013.01); **B65F 2003/0243** (2013.01); **B65F 2003/0286** (2013.01)

Citation (search report)

- [DY] IT 1194971 B 19880928 - VIB SRL [IT]
- [Y] FR 2695919 A1 19940325 - GRUELLES MAURICE [FR]
- [A] US 4422814 A 19831227 - BORDERS ERNEST D [US]
- [A] FR 2589132 A1 19870430 - BISMUTH LAURENT [FR]
- [A] US 5026241 A 19910625 - WYMAN ROBERT E [US]

Cited by

EP1300346A1; CN114408420A; ITMI20130846A1; DE102004001637A1; DE102004001637B4

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