

Title (en)  
TIPPING MECHANISM FOR A REFUSE-COLLECTING VEHICLE

Publication  
**EP 0235784 A3 19871125 (DE)**

Application  
**EP 87102928 A 19850410**

Priority  
DE 3420058 A 19840529

Abstract (en)  
[origin: US4715767A] A motor-driven garbage truck provided with a detachable garbage container equipped with releasable coupling elements, and also having permanently mounted thereon which includes a pouring chute in the forward portion, lifting and tipping apparatus for picking up a garbage can and discharging the contents thereof into the chute leading to a receiving space, and a conveying and compacting apparatus for transferring the garbage from the receiving space into the container through the receiving opening, which is provided with a closure is disclosed. The pouring unit is disposed in part above the driver's cab and in part between the cab and the container, the chute being disposed in a region extending behind and above the cab. The lifting and tipping apparatus includes at least one lifting arm, pivotally movable about a transverse pivot carried by the pouring unit or the chassis of the vehicle. The lifting arm carries at its free end a carrying rail, which is parallel to the transverse pivot and pivotally movable between a pick-up position, in which the rail is disposed below and in front of the driver's cab, and a pouring position, in which the rail is disposed above and behind the cab. The rail is provided with a displaceable or pivotally movable, extensible coupling or gripping member for coupling to or gripping a garbage can placed on the street.

IPC 1-7  
**B65F 3/04**

IPC 8 full level  
**B65F 1/12** (2006.01); **B65F 3/00** (2006.01); **B65F 3/04** (2006.01); **B65F 3/14** (2006.01); **B65F 3/20** (2006.01); **B65F 3/02** (2006.01)

CPC (source: EP US)  
**B65F 1/122** (2013.01 - EP US); **B65F 3/143** (2013.01 - EP US); **B65F 3/201** (2013.01 - EP US); **B65F 2003/008** (2013.01 - EP US); **B65F 2003/0273** (2013.01 - EP US); **B65F 2003/0279** (2013.01 - EP US); **Y10S 220/908** (2013.01 - EP US)

Citation (search report)  
• [A] FR 1047402 A 19531214 - SOVEL SOC  
• [E] DE 8534391 U1 19860403

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