

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.

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B65F 3/04

IPC 8 full level
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Citation (search report)
• [A] FR 1047402 A 19531214 - SOVEL SOC
• [E] DE 8534391 U1 19860403

Cited by
EP0699602A1; US5169195A; EP0636556A1; DE4430260C2; DE4203119A1; EP0554528A1; US5669643A; DE3902177C1; EP0379897A1; US5114297A; EP0725021A1; EP0356612A1; EP2902342A4; WO9315981A3

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