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 tranverse 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

Cited by

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

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0235784 A2 19870909; **EP 0235784 A3 19871125**; **EP 0235784 B1 19890201**; AT E40540 T1 19890215; AT E48263 T1 19891215; DE 3420058 A1 19851205; DE 3568021 D1 19890309; DE 3574466 D1 19900104; EP 0163859 A2 19851211; EP 0163859 A3 19870715; EP 0163859 B1 19891129; US 4715767 A 19871229; US 5064332 A 19911112; US 5114304 A 19920519

DOCDB simple family (application)

EP 87102928 A 19850410; AT 85104353 T 19850410; AT 87102928 T 19850410; DE 3420058 A 19840529; DE 3568021 T 19850410; DE 3574466 T 19850410; EP 85104353 A 19850410; US 46464890 A 19900111; US 55725490 A 19900724; US 73386585 A 19850514