

Title (en)  
REFUSE COLLECTION VEHICLE

Title (de)  
MÜLLSAMMLUNGSFAHRZEUG

Title (fr)  
VÉHICULE DE COLLECTE DES DÉCHETS

Publication  
**EP 4119467 A1 20230118 (EN)**

Application  
**EP 22185128 A 20220715**

Priority  
NL 2028755 A 20210716

Abstract (en)  
The refuse collection vehicle (100) comprises a sub-structure and a super-structure. The sub-structure comprises: a chassis frame (102), a driver's cab (103), a combustion engine (301), a fuel tank (106), a PTO (304) and a dynamo (302) both driven by the combustion engine, a chassis battery (303) charged by the dynamo, and a driving functions system (400) powered by the chassis battery. The super-structure comprises: a refuse collection body (104), a refuse compactor (311), a lifting device (101) for lifting refuse bins (202), and hydraulics. The hydraulics comprise a mechanical pump (305) mechanically driven by the PTO, an electrical pump (307) electrically driven by an electric motor powered by the chassis battery, a compactor actuator (310) actuating the compactor, a lift actuator system (201) actuating the lifting device, a compactor feedline (251) downstream attached to the compactor actuator and upstream connected with the mechanical pump, a hydraulic switch (309) having an outlet, a first and second inlet. The switch is switching between: a first condition in which the first inlet is connected with the outlet whilst the second inlet is closed, and a second condition in which the second inlet is connected with the outlet whilst the first inlet is closed. The hydraulics further comprise a lift feedline (352) downstream attached to the lift actuator system and upstream attached to the outlet of the hydraulic switch, a first switch feedline (354) downstream attached to the first inlet and an upstream connected to the mechanical pump, and a second switch feedline (353) downstream attached to the second inlet and upstream connected to the electrical pump.

IPC 8 full level  
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CPC (source: EP)  
**B65F 3/00** (2013.01); **B65F 3/14** (2013.01); **B65F 2003/146** (2013.01)

Citation (applicant)  
• EP 2072421 A1 20090624 - NORBA AB [SE]  
• EP 2192055 A1 20100602 - TERBERG MACHINES [NL]

Citation (search report)  
• [I] EP 2192055 A1 20100602 - TERBERG MACHINES [NL]  
• [I] EP 1746049 A1 20070124 - ARTMANN HARALD [AT]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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