Title (en)

Refuse collection vehicle with side-mounted lifting and tipping device

Title (de)

Müllsammelfahrzeug mit seitlich angebrachter Hubkippvorrichtung

Title (fr)

Véhicule de ramassage d'ordures avec dispositif de levage-basculage latéral

Publication

EP 0963923 A3 20000510 (DE)

Application

EP 99105551 A 19990318

Priority

DE 29808379 U 19980508

Abstract (en)

[origin: EP0963923A2] Rubbish collection vehicle has a lift and tip device (10) attached to its side for lifting up of a rubbish container (wheelie bin). The lift and tip device can be moved in three directions with respect to the vehicle away from it (X), upwards (Y) and along the length of the vehicle (Z). The holding device (12) for the container has two sensors. The first (optical) sensor emits a light beam such as infrared and is used to detect the edge of the container. The second sensor is a broad beam ultrasonic sensor and is used to determine the distance of the container from its holding device (12).

IPC 1-7 (main, further and additional classification)

B65F 3/04

IPC 8 full level (invention and additional information)

B65F 3/04 (2006.01); B65F 3/02 (2006.01)

CPC (invention and additional information)

B65F 3/046 (2013.01); **B65F 3/04** (2013.01); B65F 2003/0269 (2013.01); B65F 2003/0276 (2013.01)

Citation (search report)

- [A] DE 19510359 A1 19960926 - OTTO GEB KG [DE]
- [A] EP 0818403 A1 19980114 - ZOELLER KIPPER [DE]
- [PX] DE 29808379 U1 19981210 - FAUN UMWELTTECHNIK GMBH & CO [DE]
- [E] EP 0955252 A1 19991110 - ZOELLER KIPPER [DE]

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US2014236446A1; CN104118678A; EP3296796A3; DE102017004554A1; US8519837B2; WO2007028630A1; WO2013055309A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family

DE 29808379 U1 19981210; AT 268302 T 20040615; EP 0963923 A2 19991215; EP 0963923 A3 20000510; EP 0963923 B1 20040602; ES 2221253 T3 20041216