

Title (en)

SYSTEM FOR THE HANDLING OF DUMPSTERS IN SIDE LOADING VEHICLES

Title (de)

SYSTEM FÜR DIE HANDHABUNG VON ABFALLBEHÄLTERN IN SEITENLADENDEN FAHRZEUGEN

Title (fr)

SYSTÈME POUR LA MANIPULATION DES POUBELLES DANS VÉHICULE DE CHARGE LATÉRALE

Publication

**EP 3153434 A1 20170412 (EN)**

Application

**EP 16161144 A 20160318**

Priority

ES 201531451 A 20151008

Abstract (en)

System for the handling of dumpsters in side loading vehicles, which comprises a pair of arms associated with a structure which brings them closer to the dumpster so that it can be grasped, and the structure of which, after moving closer to the side of the vehicle, lifts it again and carries the dumpster until it is tipped for unloading into the hopper of the collection vehicle. It comprises means for 3D scanning (3) of the different types of dumpsters and a control unit for processing, together with a central control unit (6) to which information is sent from the control unit associated with the 3D scanning means, in order to determine each type of dumpster and the positioning of the grasping bolts (8), sending the corresponding orders to devices for bringing the dumpsters closer, which include means for rotation and regulation of the pair of arms (9) for holding the dumpsters, to lifting means (2), and to means for anchoring the bolts on the dumpsters and opening the lid of the dumpsters.

IPC 8 full level

**B65F 3/04** (2006.01)

CPC (source: EP ES)

**B65F 3/04** (2013.01 - ES); **B65F 3/08** (2013.01 - EP); **B65F 2003/0226** (2013.01 - EP); **B65F 2003/0243** (2013.01 - EP);  
**B65F 2003/0276** (2013.01 - EP)

Citation (search report)

- [XYI] DE 102012006538 A1 20131002 - SKRYPZAK ROLAND [DE]
- [Y] NL 2005788 C2 20120531 - OMB NEDERLAND B V [NL]
- [XI] EP 1020375 A1 20000719 - GEESINK BV [NL]
- [A] DE 2510655 A1 19760923 - HALLER GMBH FAHRZEUGBAU

Cited by

CN112357415A

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)

BA ME

DOCDB simple family (publication)

**EP 3153434 A1 20170412**; **EP 3153434 B1 20171101**; ES 2560978 A1 20160223; ES 2560978 B1 20161130; ES 2654537 T3 20180214;  
MA 40514 A 20170412; PL 3153434 T3 20180530; PT 3153434 T 20180108

DOCDB simple family (application)

**EP 16161144 A 20160318**; ES 16161144 T 20160318; ES 201531451 A 20151008; MA 40514 A 20160318; PL 16161144 T 20160318;  
PT 16161144 T 20160318