

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 B1 20171101 (EN)

Application

EP 16161144 A 20160318

Priority

ES 201531451 A 20151008

Abstract (en)

[origin: EP3153434A1] 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); **B65F 3/08** (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)

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

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