

Title (en)

Lifting mechanism for a loading system for emptying containers

Title (de)

Hubmechanik für eine Ladevorrichtung zum Entleeren von Behältern

Title (fr)

Mécanisme de levage d'un dispositif de chargement pour vider des récipients

Publication

**EP 2133288 A1 20091216 (EN)**

Application

**EP 09162192 A 20090608**

Priority

NL 1035561 A 20080610

Abstract (en)

The invention relates to a lifting mechanism and a loading system (4) for a refuse truck (2). The invention also relates to a refuse truck (2) which is provided herewith and a method herefor. The lifting mechanism comprises: - two lifting arms (14) mountable on uprights (12) of the loading system; - a lifting shaft (18) which is placed between the lifting arms (14) and which extends over substantially the whole width of the loading system (4); - an engaging mechanism (16) attached to the lifting shaft (18) for picking up a container (6); and - at least two cylinders (46,52) placed on or close to the uprights (12) of the loading system (4) for the purpose of moving the lifting arms (14) mountable on the uprights (12).

IPC 8 full level

**B65F 3/04** (2006.01); **B65F 3/06** (2006.01)

CPC (source: EP)

**B65F 3/04** (2013.01); **B65F 3/041** (2013.01); **B65F 3/06** (2013.01); **B65F 2003/003** (2013.01); **B65F 2003/022** (2013.01); **B65F 2003/024** (2013.01); **B65F 2003/0286** (2013.01); **B65F 2003/0293** (2013.01); **B65F 2003/0296** (2013.01)

Citation (applicant)

FR 2528810 A3 19831223 - FARID SPA [IT]

Citation (search report)

- [XA] FR 2528810 A3 19831223 - FARID SPA [IT]
- [XA] GB 1334213 A 19731017 - NORBA AB
- [XA] DE 10221371 A1 20031127 - ZOELLER KIPPER [DE]
- [XA] GB 1545555 A 19790510 - HESTAIR DENNIS LTD
- [XA] DE 3809134 A1 19890928 - HANS HAGEMANN UMWELTECHNIK [DE]

Cited by

CN104401755A; CN107867519A; CN113581693A; CN107963376A; CN102942000A; EP2801541A1; EP3653450A1; EP2886492A3; WO2018053581A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**EP 2133288 A1 20091216**; **EP 2133288 B1 20170816**; ES 2643765 T3 20171124; NL 1035561 C2 20091211; SI 2133288 T1 20171130

DOCDB simple family (application)

**EP 09162192 A 20090608**; ES 09162192 T 20090608; NL 1035561 A 20080610; SI 200931736 T 20090608