

Title (en)

DEVICE FOR MOVING AND EMPTYING AT LEAST ONE WASTE-HOLDING BIN INSIDE A WASTE COLLECTION CONTAINER

Title (de)

VORRICHTUNG ZUM BEWEGEN UND LEEREN VON MINDESTENS EINEM ABFALLBEHÄLTER IN EINEM ABFALLSAMMLUNGSBEHÄLTER

Title (fr)

DISPOSITIF POUR DÉPLACER ET VIDER AU MOINS UN BAC À DÉCHETS À L'INTÉRIEUR D'UN RÉCIPIENT DE COLLECTE DES DÉCHETS

Publication

EP 3838801 A1 20210623 (EN)

Application

EP 20214697 A 20201216

Priority

IT 201900024156 A 20191216

Abstract (en)

Device (110) for moving and emptying at least one waste-holding bin inside a waste collection container (150) comprising at least:- a first rod (1) and a first guide (10) suitable to be fixed to the container (150), where the first guide (10) includes at least one rectilinear portion (11) and a subsequent second curvilinear portion (12) which extends from the rectilinear portion (11) towards the container (150);- a first hollow cylinder (2) mounted around the first rod (1), bidirectionally slidable along it, between an initial lowered position and a final raised position;- at least one carriage (20) which comprises means for hooking a waste-holding bin and is suitable to be moved between a rest position and a position for emptying the hooked waste-holding bin;- a first connection device (30) which is connected to and is movable together with the carriage (20), and comprising a guided element (31) suitable to slide along the shaped profile of the first guide (10);- a second connection device (40) configured to connect the first hollow cylinder (2) to the carriage (20) so that they move together, and further to allow rotation, around a second axis (102) transversal to the axis (101) of the rod, of the carriage (20) together with a hooked waste-holding bin relative to the first hollow cylinder (2) and to the first guide (10) when the guided element (31) slides along said second curvilinear portion (12).

IPC 8 full level

B65F 3/08 (2006.01)

CPC (source: EP)

B65F 3/08 (2013.01); **B65F 2003/024** (2013.01)

Citation (search report)

- [XA] EP 0313269 A2 19890426 - ALLEN JACK MOTOR BODIES [GB]
- [I] AT 384799 B 19880111 - EURO WAREN HANDELSGESELLSCHAFT [AT]

Designated contracting state (EPC)

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