

Title (en)

EQUIPMENT FOR EMPTYING BINS INTO WASTE CONTAINERS

Title (de)

AUSRÜSTUNG ZUM ENTLEREEN VON BEHÄLTERN IN ABFALLCONTAINER

Title (fr)

ÉQUIPEMENT POUR VIDER LES BACS DANS LES CONTENEURS À DÉCHETS

Publication

**EP 4365106 A1 20240508 (EN)**

Application

**EP 23200192 A 20230927**

Priority

IT 202200022689 A 20221104

Abstract (en)

The equipment (1) comprises a lifting arm (9) having an upper end portion (9a) rotatably engaged to a support structure (6) about a horizontal overturning axis (X1), between a lowered position and an emptying position wherein it extends in an upward inclined direction. The lifting arm (9) provides at the bottom a base coupling (15) configured to engage a lower edge (22) of a bin (3). The upper end portion (9a) provides an upper coupling (23) for the engagement of a coupling eyelet (25) provided at the top of the bin (3). To prevent accidental falling of the bin (3) to the benefit of safety, upper locking devices (38) lock the upper coupling (23) during tipping, while lower locking devices (50) comprising a harpoon (52) cooperating with a matching seat (51) lock the base coupling (15) to the lifting arm (9).

IPC 8 full level

**B65F 1/02** (2006.01); **B65F 1/14** (2006.01)

CPC (source: EP)

**B65F 1/02** (2013.01); **B65F 1/1452** (2013.01)

Citation (search report)

- [XA] US 5784947 A 19980728 - BAYNE JIMMY O [US], et al
- [A] DE 202008015365 U1 20090212 - BAUER HEINZ DIETER [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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