

Title (en)

METHOD AND DEVICE FOR HANDLING BOTTLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BEHANDELN VON FLASCHEN

Title (fr)

PROCEDE ET DISPOSITIF POUR TRAITER DES BOUTEILLES

Publication

**EP 1181226 A1 20020227 (DE)**

Application

**EP 00935054 A 20000517**

Priority

- DE 29908766 U 19990518
- EP 0004472 W 20000517

Abstract (en)

[origin: WO0069760A1] The invention relates to a method and device for handling bottles, especially empty PET plastic bottles (3). The handling device (1) comprises at least one collecting device (4) for receiving bottles (3) fed thereto and for loading the bottles (3) onto a plurality of transportable intermediate supports (6). The collecting device (4) has a tilting device (2) with which the intermediate supports (6) or the support bases (20) thereof and/or the bottles (3) are tilted. The tilting can be effected temporarily and, above all, during a loading and/or unloading process. Stationary tilting elements (21) or a driven tipping device (31) can be used to tilt the support bases (20). Additional or alternative tilting of the bottles (3) can be effected by a swiveling device (16) of a gripping device (14).

IPC 1-7

**B65G 47/08**; **B65G 57/00**; **B65B 35/30**

IPC 8 full level

**B29C 31/00** (2006.01); **B65B 21/06** (2006.01); **B65G 47/08** (2006.01); **B65G 57/00** (2006.01)

CPC (source: EP)

**B29C 31/00** (2013.01); **B65B 21/06** (2013.01); **B65G 47/088** (2013.01); **B65G 57/00** (2013.01); **B29L 2031/7158** (2013.01)

Citation (search report)

See references of WO 0069760A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 29908766 U1 20000928**; EP 1181226 A1 20020227; WO 0069760 A1 20001123

DOCDB simple family (application)

**DE 29908766 U 19990518**; EP 0004472 W 20000517; EP 00935054 A 20000517