

Title (en)

A device for forming an orderly stack of articles and for discharging the said stack into a corresponding container.

Title (de)

Einrichtung zum Bilden eines geordneten Stapels von Gegenständen und zum Einbringen besagten Stapels in einen geeigneten Behälter.

Title (fr)

Dispositif pour former une pile ordonnée d'objets et pour charger ladite pile dans un container approprié.

Publication

EP 0036398 A1 19810923 (EN)

Application

EP 81830042 A 19810316

Priority

IT 335980 A 19800318

Abstract (en)

The device comprises a station for forming a layer of articles (4), provided with movable means for supporting and guiding the articles (4) and for releasing the layer downwards. Placed underneath the station there is a support plate movable between two positions, namely an upper position and a lower position. Above the station a presser, movable vertically, is provided and this, in the downward travel, first of all releases the layer from the movable means and then pushes the layer deposited on the plate and the plate itself, downwards. Through a succession of layers from the top downwards, a stack (P) is formed. At one side of the formed stack (P) there is a tubular guide member (21), and at the other, pusher means (27). Because of the synchronous movement of the guide member (21) and the pusher means (27) towards the station (R) for the filling of the container (33), the said guide member (21) is caused to be inserted partially into the container (33), and the stack (P) to be subsequently placed in the said container (33).

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CPC (source: EP)

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Citation (search report)

- [X] DE 2250682 B2 19781116
- GB 1305093 A 19730131
- CA 975813 A 19751007 - PATCO PACKING LTD
- DE 1970461 U 19671012 - SANDOZ AG [DE]
- DD 54273 A
- DD 35686 A
- DE 2248520 A1 19740411 - PACKO GMBH
- [A] GB 1029414 A 19660511 - UNILEVER LTD
- [A] US 4086745 A 19780502 - CAUDLE OTIS M
- [A] DD 110226 A1 19741212

Cited by

EP0248463A1; EP0439438A3; EP0562446A1; US5379575A; EP0148986A3; CN109896080A; EP0734949A1; US5311724A; AU668263B2; EP0142619A3; US4680919A; DE19959408A1; US5203949A; EP0636557A1; US5515664A; DE4409873A1; EP0734948A1; GB2184088A; GB2184088B; CN102923343A; AU588089B2; WO0043269A1

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