

Title (en)

Automatic packaging machine.

Title (de)

Automatische Verpackungsmaschine.

Title (fr)

Machine d'emballage automatique.

Publication

EP 0045673 A2 19820210 (FR)

Application

EP 81401149 A 19810721

Priority

FR 8016158 A 19800722

Abstract (en)

1. An automatic packing machine for introducing merchandise (7, 16) into and enclosing it in a box of the type comprising two oppositely disposed long sides (2) which are each extended at the two ends by two large foldable flaps (2a, 2b) and two oppositely disposed short sides (3) which are each extended at the two ends by two small foldable flaps (3a, 3b) of the same height as the large flaps, said flaps (2a, 2b, 3a, 3b), once folded over towards the centre, forming the top and the bottom of the box, said machine comprising : a feed conveyor (8) for the merchandise to be packed ; a magazine disposed above the feed conveyor (8), within which the boxes are stacked in a flat condition and folded along two diagonally opposite edges ; a mechanical device for extracting the boxes from the magazine, unfolding them and setting them square so that the flaps (2a, 2b, 3a, 3b) of said boxes are then disposed in a position of extending in line with the respective corresponding sides ; introducing means for introducing the merchandise (7, 16) into the unfolded box by way of its open bottom ; a discharge conveyor ; and means for closing the flaps (2b, 3b) of the bottom of the box and means for closing the flaps (2a, 3a) of the top of the box, characterised in that said means for introducing the merchandise (7, 16) to be packed within a box which is in an unfolded condition with its bottom open comprise lift means (10) which are intended to lift the merchandise (7, 16) to be packed along a substantially vertical path of movement from the level at which it is disposed on the feed conveyor (8) to the interior of said box with its bottom open.

Abstract (fr)

Pour introduire et enfermer une marchandise dans une caisse dite "américaine", la machine comporte, d'une part, des moyens (8) de transport de la marchandise (7) selon un cheminement horizontal situé à un niveau inférieur à celui de l'axe horizontal selon lequel sont amenées les caisses dépliées, ce niveau étant tel que le sommet de la marchandise soit plus bas que le bord inférieur des rabats inférieurs dépliés (2b, 3b) du dessous de la caisse, et d'autre part des moyens ascenseurs (10) agencés pour élever la marchandise, selon un trajet vertical, depuis ledit niveau jusqu'à l'intérieur de la caisse, la marchandise y pénétrant par le dessous, d'autres moyens étant en outre prévus pour la fermeture des rabats (2b, 3b) du fond de la caisse, l'évacuation (en 14) de celle-ci, puis la fermeture des rabats (2a, 3a) du dessus de la caisse.

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B65B 21/14

IPC 8 full level

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CPC (source: EP)

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