

Title (en)
AUTOMATIC PACKAGING MACHINE

Publication
EP 0045673 A3 19820512 (FR)

Application
EP 81401149 A 19810721

Priority
FR 8016158 A 19800722

Abstract (en)
[origin: EP0045673A2] 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.

IPC 1-7
B65B 21/14

IPC 8 full level
B65B 21/14 (2006.01)

CPC (source: EP)
B65B 21/14 (2013.01)

Citation (search report)
• DE 2209370 A1 19730913 - FOCKE PFUHL VERPACK AUTOMAT
• US 2678151 A 19540511 - WILLIAM GEISLER
• FR 2298478 A1 19760820 - BEDIN JEAN [FR]

Cited by
CN106742428A; CN108286095A

Designated contracting state (EPC)
DE GB IT NL SE

DOCDB simple family (publication)
EP 0045673 A2 19820210; EP 0045673 A3 19820512; EP 0045673 B1 19850403; DE 3169677 D1 19850509; FR 2487294 A1 19820129; FR 2487294 B1 19860530

DOCDB simple family (application)
EP 81401149 A 19810721; DE 3169677 T 19810721; FR 8016158 A 19800722