

Title (en)

A MACHINE FOR LOADING BUNDLES OF SIGNATURES AND SIMILAR PRODUCTS ONTO PALLETS

Publication

EP 0156094 B1 19880518 (EN)

Application

EP 84830306 A 19841114

Priority

IT 6729684 A 19840327

Abstract (en)

[origin: EP0156094A2] The machine is intended to load onto pallets (P) bundles (B), of signatures and similar products, fed to the machine in approximately vertical dispositions. The machine comprises a supporting frame (11) provided with horizontal movement guides (13) having an input end (14) facing outwardly of the frame (11). Mounted on the frame (11) is a horizontal overhead guideway (23) that has an input end (24) which overlies the other end (15) of the movement guides (13), and an output end (25) which, in use, overlies the pallet (P) intended to receive the bundles (B). A carriage (16) provided with a tilting platform for carrying the bundles (B) is movable on the movement guides (13). Associated with the tilting platform of the carriage (16) are control means which hold the platform itself in an approximately vertical position for receiving the bundles (B) when the carriage (16) is located at said input end (14) of the movement guides (13), and which tilt the platform towards a horizontal position when the carriage (16) reaches the end of the movement guides (13) overlain by the input end (24) of the overhead guideway (23). A gripper device (30), acting in a substantially horizontal plane, is movable along the overhead guideway (23) and is capable of undergoing vertical translation movement, at least adjacent the input and output ends (24, 25) of the overhead guideway (23). The gripper device (30) is therefore able both to pick up, adjacent the input end (24) of the overhead guideway (23), a bundle (B) supported by the tilting platform of the said movable carriage (16) when at the said other end (15) of the movement guides (13), and, following translation along the overhead guideway (23) towards the output end (25) thereof, to deposit this bundle (B) taken up from the platform of the movable carriage (16) onto a pallet (P).

IPC 1-7

B65H 31/30

IPC 8 full level

B65H 31/30 (2006.01)

CPC (source: EP)

B65H 31/3054 (2013.01); **B65H 2301/3322** (2013.01); **B65H 2301/42242** (2013.01); **B65H 2301/42256** (2013.01)

Cited by

US5249917A; WO9116259A1

Designated contracting state (EPC)

BE DE FR GB NL SE

DOCDB simple family (publication)

EP 0156094 A2 19851002; **EP 0156094 A3 19860205**; **EP 0156094 B1 19880518**; DE 3471291 D1 19880623; IT 1178917 B 19870916; IT 8467296 A0 19840327; IT 8467296 A1 19850927

DOCDB simple family (application)

EP 84830306 A 19841114; DE 3471291 T 19841114; IT 6729684 A 19840327