

Title (en)  
Packaging machine

Title (de)  
Verpackungsmaschine

Title (fr)  
Machine d'emballage

Publication  
**EP 1177980 B1 20050727 (EN)**

Application  
**EP 01117138 A 20010713**

Priority  
IT BO20000467 A 20000731

Abstract (en)  
[origin: EP1177980A2] The magazine (8) for the cardboard blanks (C) is located in the input part of the said machine, in line, and outside any higher external profile, and in this magazine the blanks are stacked on edge, with their greatest dimensions in a vertical plane and with their flat faces positioned transversely with respect to the direction of discharge and feed of the said blanks. Means (12-27) cyclically draw the leading blank from the magazine and deposit the said blank on an inclined ascending conveyor (20) located under the path along which the products are stored (1) and grouped (2), the conveyor being provided with pairs of teeth (120) which push the blank from behind and being connected to programmable driving means, to ensure that, when the format of the blanks changes, a predetermined part (S) of each blank is always brought into alignment with the front edge of the group of products (P') formed by the said grouping line. The product storage line is designed for lateral connection to a line (5, 5') for feeding the said products (P) which thus do not interfere with the said blank feed magazine. Downstream from the product grouping line (2), a folder arm (29) carries out the first raising of the rear panel (C4) of a packaging blank which is already carrying a group of products, and then the raising of the front panels (C1, C2) of the following blank, to prepare these panels for the final raising by other means and to prevent the said panels from interfering with each other, while providing a reduced interval between the advancing groups of products and having the consequent objective of increasing the output of the machine. <IMAGE>

IPC 1-7  
**B65B 21/24**; **B65B 5/02**; **B65B 43/18**

IPC 8 full level  
**B65B 21/24** (2006.01)

CPC (source: EP)  
**B65B 5/024** (2013.01); **B65B 5/026** (2013.01); **B65B 21/24** (2013.01); **B65B 43/185** (2013.01)

Cited by  
EP2711302A1; EP1985541A1; CN114524125A; CN106742310A; CN114801125A; CN110712800A; CN114955089A; CN102424146A; EP3549879A1; US11752723B2; WO2013159180A1; WO2023160864A1; US10556713B2; US11136153B2; US11390049B2; US11897222B2; EP3549879B1

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