

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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EP 1177980 A2 20020206; **EP 1177980 A3 20031008**; **EP 1177980 B1 20050727**; AT E300472 T1 20050815; BR 0103157 A 20020402; BR 0103157 B1 20100504; DE 60112194 D1 20050901; DE 60112194 T2 20060601; ES 2244526 T3 20051216; IT BO20000467 A0 20000731; IT BO20000467 A1 20020131

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