

Title (en)
AUTOMATIC CORNER TAPE STICKING DEVICE FOR CARTON SEALING MACHINE

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Application
EP 87300214 A 19870109

Priority
EP 87300214 A 19870109

Abstract (en)
[origin: EP0274175A1] The present invention relates to a cardboard carton sealing machine and, particularly, to an automatic corner tape sticking device provided therewith, characterized in that when a cardboard carton to be sealed passes through the tape cutter heads (12) disposed on upper and lower sides of the frames via conveyer belts (11), adhesive tapes are stuck onto both top and bottom edges of the carton and severed, then, the tapes at the upper and lower corners of the carton are spread and stuck onto the carton by short brushes (13) which are driven to move in a horizontal reciprocating manner over a predetermined distance by pneumatic cylinders disposed on both upper and lower sides; the carton keeps moving on the conveyer belts to pass through long brushes (43) which are operated to move vertically by pneumatic cylinders disposed on both upper and lower sides; during the up and down strokes of the long brushes, the tapes on the sides of both top and bottom ends of the carton are flatly stuck onto the edges of the carton, thus to automatically effect the corner sealing of the carton. The automatic corner tape sticking device for carton sealing machine according to the present invention allows for simplified carton sealing operation which is both fast and economic.

IPC 1-7
B65B 51/06

IPC 8 full level
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CPC (source: EP)
B65B 51/06 (2013.01)

Citation (examination)
• EP 0187394 A2 19860716 - MARCHETTI AUGUSTO
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Cited by
CN112339340A; CN113581515A; CN115057051A; CN111674647A; CN112193525A; CN107738779A; DE19722067A1; CN107776975A; CN111453089A; CN112046866A; CN105883118A; CN110316433A; CN106240937A; CN117508791A; CN113460396A; CN115320935A; US9623993B2

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