

Title (en)
Flap folding device of a wrapping machine

Title (de)
Klappenfaltvorrichtung für eine Verpackungsmaschine

Title (fr)
Dispositif de pliage d'un rabat dans une machine d'emballage

Publication
EP 0646526 B1 19980722 (EN)

Application
EP 94100044 A 19940104

Priority
JP 24519293 A 19930930

Abstract (en)
[origin: EP0646526A1] Side folding guides 1 approach side flaps A2 to hit a hitting part 1a against closed side faces B2, B2 of a wrapped body of a content B, thereby pressing a body wrapping part A7 near the base end of side flaps A2 facing the closed side faces B2, B2 against the closed side faces B2, B2; and subsequently the middle part of the side folding guides 1 make a quarter turn while tracing a corner B3 continued to the closed sides B2, B2, and therefore the base end of the side flaps A2 are folded along the corners B3 while being pulled toward the forward end thereof, and, at the same time, are pressed by folding parts 1c against the open sides B1, B1 through the entire length from the base end to forward end of the side flaps A2 . Fig. 4 Input means Computing means Comparing means Control means Fig. 5 Keypad Sheet feed start sw Wrapping start sw Wrapping changeover sw Input interface Output interface Driving unit of tape applying mechanism Driving unit of sheet feeding mechanism Driving unit of compression plates Driving unit of body wrapping sheet guide Driving unit of pusher Driving unit of side-folding guide Driving unit of up-folding guide Fig. 6 Read width W, length L & length SL Calculate end length $F=(SL-L)/2$ Is body wrapping finished? Output of normal folding signal Is body wrapping finished? Output of overlap folding signal <IMAGE>

IPC 1-7
B65B 11/22; **B65B 49/08**

IPC 8 full level
B65B 11/22 (2006.01); **B65B 49/08** (2006.01)

CPC (source: EP KR)
B65B 11/22 (2013.01 - EP KR); **B65B 25/14** (2013.01 - KR); **B65B 49/08** (2013.01 - EP KR); **B65B 51/06** (2013.01 - KR); **B65B 25/14** (2013.01 - EP); **B65B 51/06** (2013.01 - EP)

Citation (examination)
CH 390776 A 19650415 - DROHMANN GMBH C [DE]

Cited by
CN109911327A; CN103895909A; CN109392976A; CN117342086A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0646526 A1 19950405; **EP 0646526 B1 19980722**; DE 69411837 D1 19980827; DE 69411837 T2 19981203; JP H07101405 A 19950418; KR 950008305 A 19950417

DOCDB simple family (application)
EP 94100044 A 19940104; DE 69411837 T 19940104; JP 24519293 A 19930930; KR 930028488 A 19931218