

Title (en)
Method for the optimization of the operating efficiency of a folding machine

Title (de)
Verfahren zur Optimierung der Betriebsleistung einer Falzmaschine

Title (fr)
Procédé pour optimiser le rendement d'exploitation d'une machine de pliage

Publication
EP 0732293 B1 20020130 (DE)

Application
EP 96104141 A 19960315

Priority
• DE 19509323 A 19950315
• DE 19516437 A 19950504

Abstract (en)
[origin: EP0732293A2] The automated process is used for the folding of sheet material to create envelopes or folders. The individual sheets of material are extracted from a stack by a suction roller 16 and are fed in sequence by a conveyor 11 to a station 12 where folds are made to form the pocket part. A further station receives the part formed product and carries out the forming of the flap. The spacing of the continuously fed sheets is closely controlled and for this purpose a number of sensors 1-B7 are used to monitor different stages in the cycle. Some of the sensors are edge detectors 2, B4, B6, B7. The sensor signals are received by the controller 10 to obtain a minimum distance between successive sheets.

IPC 1-7
B65H 45/12; **B65H 7/20**; **B65H 45/00**

IPC 8 full level
B65H 45/00 (2006.01)

CPC (source: EP)
B65H 45/00 (2013.01); **B65H 2511/22** (2013.01); **B65H 2511/514** (2013.01); **B65H 2513/50** (2013.01)

Cited by
DE102016203043A1; DE102016203043B4; EP0933321A3; DE10059271A1; EP1854753A1; DE102006021901A1; DE102006021901B4; DE19860070A1; DE19747997A1; US6086522A; EP0913352A3; EP1013589A3; US6641514B1; WO2023194874A1

Designated contracting state (EPC)
CH DE IT LI PT

DOCDB simple family (publication)
EP 0732293 A2 19960918; **EP 0732293 A3 19970723**; **EP 0732293 B1 20020130**; PT 732293 E 20020731

DOCDB simple family (application)
EP 96104141 A 19960315; PT 96104141 T 19960315