

Title (en)
PAPER FOLDING MACHINE

Publication
EP 0357948 B1 19921119 (DE)

Application
EP 89114146 A 19890801

Priority
DE 3830656 A 19880909

Abstract (en)
[origin: US5092833A] The paper folding machine is provided with a roller pair (T1,T2) which forms an intake zone (E) and determines the velocity of feed of the material to be folded, and with at least one pair of folding rollers (W1,W2,W3), which forms a folding zone (F1) and is parallel to the former pair of rollers. A stopless feed limiting device, which determines the actual folding length and can be actuated individually for each folding operation by a microprocessor and/or an electronic control circuit as a function of a feed measuring unit, is arranged in a material feed path (4) which extends past the folding zone (F1,F2). In order to reach narrow folding length tolerances even at high working speeds, on the side of the material feed path (4) opposite the folding zone (F1,F2), the feed limiting device is provided with a knife-like or bar-like deflecting member (6), which extends over the width of the material feed path and can be moved toward the folding zone (F1,F2) at a velocity corresponding to the velocity of feed of the material to be folded, while the material to be folded is deflected to form a fold.

IPC 1-7
B65H 45/16

IPC 8 full level
B65H 45/16 (2006.01); **B65H 45/18** (2006.01)

CPC (source: EP US)
B65H 45/18 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH ES FR GB IT LI NL SE

DOCDB simple family (publication)
US 5092833 A 19920303; AT E82558 T1 19921215; DE 3830656 C1 19891123; EP 0357948 A1 19900314; EP 0357948 B1 19921119; ES 2036307 T3 19930516; JP H02110078 A 19900423; JP H0643231 B2 19940608

DOCDB simple family (application)
US 62694991 A 19910116; AT 89114146 T 19890801; DE 3830656 A 19880909; EP 89114146 A 19890801; ES 89114146 T 19890801; JP 22846589 A 19890905