

Title (en)  
Method of folding signatures and folding apparatus with braking grippers

Title (de)  
Verfahren zum Falzen von Signaturen und Falzapparat mit Bremsgreifern

Title (fr)  
Méthode de pliage de feuilles et un appareil de pliage muni de pinces de freinage

Publication  
**EP 0999165 A3 20020306 (DE)**

Application  
**EP 99120043 A 19991018**

Priority  
US 18643598 A 19981105

Abstract (en)  
[origin: US6038974A] A gripper deceleration cross folder device having a rotatably mounted jaw cylinder including a plurality of jaw devices, a rotatably mounted gripper decelerator drum forming a nip with the jaw cylinder, and a plurality of gripper decelerator devices mounted on the gripper decelerator drum, each gripper decelerator for gripping and decelerating one of a plurality of signatures at a time. A respective tucking device corresponding to each of the plurality of gripper decelerator devices for tucking each one of the signatures into a corresponding one of the plurality of jaw devices after the decelerating of the signature so as to fold the signature.

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**B65H 45/16**; **B65H 29/68**

IPC 8 full level  
**B65H 45/28** (2006.01); **B65H 29/68** (2006.01); **B65H 45/16** (2006.01)

CPC (source: EP US)  
**B65H 29/68** (2013.01 - EP US); **B65H 45/163** (2013.01 - EP US); **B65H 45/165** (2013.01 - EP US)

Citation (search report)  
• [A] DE 2732641 A1 19780223 - WIFAG MASCHF  
• [A] EP 0472503 A1 19920226 - WIFAG MASCHF [CH]  
• [A] US 5452886 A 19950926 - COTE KEVIN L [US], et al  
• [A] US 4946151 A 19900807 - LIEBERT OSKAR [DE]  
• [A] US 3960079 A 19760601 - CAPETTI FEDERICO

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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DOCDB simple family (application)  
**US 18643598 A 19981105**; DE 19949938 A 19991016; EP 99120043 A 19991018; JP 31456999 A 19991105