

Title (en)
Folding apparatus

Title (de)
Falzapparat

Title (fr)
Appareil de pliage

Publication
EP 0415077 B1 19970108 (DE)

Application
EP 90114234 A 19900725

Priority
US 40163889 A 19890831

Abstract (en)
[origin: JPH03106755A] PURPOSE: To form a plurality of folds in a sheet material at high speed by providing a driving means for continuously moving the sheet material through folding means without stopping during formation of first, second and third folds on first, second and third folding means. CONSTITUTION: A fold 32 extending along the path of movement of a sheet material is formed by a first folder assembly 72. Next, a fold 34 extending in the direction perpendicular to the moving direction of the sheet material is formed by a second folder assembly 78. Finally, a fold 36 extending along the path of movement of the sheet material is formed by a third folder assembly. While the sheet material is folded by the folder assemblies 72, 78 and 86, the sheet material is continuously moved by a driving means through the folder assemblies 72, 78, 86 without being stopped.

IPC 1-7
B65H 45/12; **B41F 13/54**

IPC 8 full level
B65H 45/28 (2006.01); **B41F 13/54** (2006.01); **B65H 31/06** (2006.01); **B65H 45/12** (2006.01); **B65H 45/22** (2006.01); **B65H 45/30** (2006.01)

CPC (source: EP US)
B41F 13/54 (2013.01 - EP US); **B65H 29/40** (2013.01 - EP US); **B65H 31/06** (2013.01 - EP US); **B65H 45/12** (2013.01 - EP US); **B65H 45/22** (2013.01 - EP US); **B65H 2301/42142** (2013.01 - EP US)

Cited by
EP2281766A1; DE102015101813A1; EP1334940A1; CH701620A1; WO0056651A1; US6497643B1; US6544160B1; WO9947445A1; WO9947446A1; US6929710B1; US7066368B1; US6705499B1; US6821240B1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0415077 A1 19910306; **EP 0415077 B1 19970108**; AU 6106090 A 19910307; AU 635763 B2 19930401; CA 2024377 A1 19910301; CA 2024377 C 19950117; CN 1021217 C 19930616; CN 1054947 A 19911002; DE 59010627 D1 19970220; JP 2695977 B2 19980114; JP H03106755 A 19910507; US 5030193 A 19910709

DOCDB simple family (application)
EP 90114234 A 19900725; AU 6106090 A 19900816; CA 2024377 A 19900831; CN 90107229 A 19900831; DE 59010627 T 19900725; JP 22852090 A 19900831; US 40163889 A 19890831