

Title (en)
CREASING AND FOLDING APPARATUS AND METHOD

Title (de)
RILL- UND FALTVORRICHTUNG UND VERFAHREN

Title (fr)
APPAREIL ET PROCEDE DE RAINAGE ET DE PLIAGE

Publication
EP 1425239 B1 20061102 (EN)

Application
EP 02767642 A 20020913

Priority
• GB 0204211 W 20020913
• GB 0122381 A 20010915

Abstract (en)
[origin: WO03024853A1] An apparatus for creasing and folding sheets of flexible sheet materials. The apparatus includes a creaser mechanism (1) for creasing sheets, a fold mechanism (100), a feed mechanism for feeding sheets from the creaser mechanism to the fold mechanism (100); and a control system for controlling the apparatus, wherein the fold mechanism (100) includes a pair of rollers (111, 113) having a nip (123) into which a sheet of material (7) is inserted to create a fold (7b), and an inserter mechanism (121) for inserting a sheet (7) into the nip (123), said inserter mechanism (121) including a knife element (129) having an edge (131) that is arranged to engage a sheet (7) along a crease and to insert said sheet (7) into the nip (123) to produce a fold (7b) along said crease.

IPC 8 full level
B65H 45/18 (2006.01); **B65H 45/30** (2006.01)

CPC (source: EP)
B31F 1/10 (2013.01); **B65H 45/18** (2013.01); **B65H 45/30** (2013.01)

Cited by
JP2016026975A; US2014357463A1; EP2845829A4; WO2013164877A1; JPWO2013164877A1

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

DOCDB simple family (publication)
WO 03024853 A1 20030327; AT E344212 T1 20061115; DE 60215825 D1 20061214; DE 60215825 T2 20070329; EP 1425239 A1 20040609; EP 1425239 B1 20061102; ES 2275912 T3 20070616; GB 0122381 D0 20011107

DOCDB simple family (application)
GB 0204211 W 20020913; AT 02767642 T 20020913; DE 60215825 T 20020913; EP 02767642 A 20020913; ES 02767642 T 20020913; GB 0122381 A 20010915