

Title (en)
FOLDING JAWS CYLINDER

Title (de)
FALZKLAPPENZYLINDER

Title (fr)
CYLINDRE A VOLETS DE PLIAGE

Publication
EP 0946366 A1 19991006 (DE)

Application
EP 97952749 A 19971219

Priority
• DE 9702984 W 19971219
• DE 19653803 A 19961221

Abstract (en)
[origin: WO9828139A1] The invention relates to a folding jaws cylinder which adjusts automatically the folding jaws (7, 13) according to the changing thickness of the product when production is started. This is done by a dual working cylinder-piston unit (32) placed between a first and a second rotational carrier (3, 8) of the folding jaw members. A first chamber (37) of said unit is filled with liquid and linked to a hydraulic accumulator (42) by means of a flow control valve (42). Compressed air is guided to a second chamber (38) of said unit from an external compressed air storage.

IPC 1-7
B41F 13/62; **B65H 45/16**

IPC 8 full level
B41F 13/62 (2006.01); **B65H 45/16** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)
B65H 45/163 (2013.01 - EP US)

Citation (search report)
See references of WO 9828139A1

Cited by
DE102006005121A1

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

DOCDB simple family (publication)
WO 9828139 A1 19980702; DE 59701676 D1 20000615; EP 0946366 A1 19991006; EP 0946366 B1 20000510; ES 2147463 T3 20000901; JP 2000516188 A 20001205; JP 3382956 B2 20030304; US 2002032109 A1 20020314; US 6283906 B1 20010904; US 6514188 B2 20030204

DOCDB simple family (application)
DE 9702984 W 19971219; DE 59701676 T 19971219; EP 97952749 A 19971219; ES 97952749 T 19971219; JP 52823498 A 19971219; US 31994499 A 19990813; US 85116001 A 20010509