

Title (en)

Method for controlling the parallelism of two beams of a press.

Title (de)

Verfahren zur Regelung der Parallelführung zweier Pressbalken.

Title (fr)

Procédé d'asservissement du parallélisme des deux sommiers d'une presse.

Publication

EP 0453986 B1 19941214 (FR)

Application

EP 91106314 A 19910419

Priority

CH 140390 A 19900425

Abstract (en)

[origin: CA2041171A1] The invention concerns a process for regulating the parallelism of the two beams (5, 6) of a cutting press designed for converting sheet or weblike matter into package. The press comprises a frame made of a lower crossbar (1) and an upper crossbar (3) connected to one another by means of lateral posts (2). An upper beam (5) is fitted on the upper crossbar (3). A lower movable beam (6) is raised and lowered with each operating cycle by means of a drive system (20a, 20b) supported by the lower crossbar (1) by means of bearings (33a, 33b). The bearings (33a, 33b) can be shifted vertically when the drive system (20a, 20b) is situated in lower dead center position in such a way as to regulate the parallelism of the lower beam (6) with regard to the upper beam (5). When the press accomplishes its operating cycle, a deviation of parallelism (e) is measured when the drive system (20a, 20b) is situated in upper dead center position. When the said lower dead center is reached, the bearings (33a, 33b) are shifted vertically so as to have the lower beam (6) tilt in the direction contrary to the tilt resulting from the deviation of parallelism (e) measured in the said upper dead center position.

IPC 1-7

B30B 15/14

IPC 8 full level

B26D 7/26 (2006.01); **B26F 1/40** (2006.01); **B30B 15/00** (2006.01); **B30B 15/14** (2006.01); **B31B 1/16** (2006.01); **B31B 50/16** (2017.01); **B65B 61/10** (2006.01)

CPC (source: EP KR US)

B26D 7/2628 (2013.01 - EP US); **B30B 15/00** (2013.01 - KR); **B30B 15/007** (2013.01 - EP US); **B30B 15/14** (2013.01 - EP US); **B30B 1/14** (2013.01 - EP); **Y10T 83/05** (2015.04 - EP US); **Y10T 83/4584** (2015.04 - EP US); **Y10T 83/8696** (2015.04 - EP US); **Y10T 83/8808** (2015.04 - EP US)

Cited by

AT512174A4; AT512174B1; EP1882564A3

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0453986 A2 19911030; **EP 0453986 A3 19920513**; **EP 0453986 B1 19941214**; AT E115469 T1 19941215; BR 9101643 A 19911210; CA 2041171 A1 19911026; CA 2041171 C 19950912; CH 683162 A5 19940131; DE 69105804 D1 19950126; DE 69105804 T2 19950622; DK 0453986 T3 19950515; ES 2066254 T3 19950301; JP 2886360 B2 19990426; JP H04226900 A 19920817; KR 910018161 A 19911130; KR 930008593 B1 19930910; US 5179879 A 19930119

DOCDB simple family (application)

EP 91106314 A 19910419; AT 91106314 T 19910419; BR 9101643 A 19910424; CA 2041171 A 19910424; CH 140390 A 19900425; DE 69105804 T 19910419; DK 91106314 T 19910419; ES 91106314 T 19910419; JP 9552591 A 19910425; KR 910005769 A 19910411; US 69143891 A 19910425