

Title (en)

Device to adjust the folding flaps of a folding flap cylinder.

Title (de)

Vorrichtung zum Verstellen der Falzklappen an einem Falzklappenzyylinder.

Title (fr)

Dispositif pour ajuster les clapets de pliage d'un cylindre à clapets de pliage.

Publication

EP 0453868 B1 19940615 (DE)

Application

EP 91105646 A 19910410

Priority

- DE 4013419 A 19900426
- DE 4037130 A 19901122

Abstract (en)

[origin: EP0453868A1] A folding flap cylinder with a device is known, with which an adjustment of the folding flaps is possible during the rotation of the cylinder. In this folding flap cylinder, although the controllable folding flap and the fixed folding flap of each folding flap pair are adjusted simultaneously by a single control means in a pincer-like adjustment movement, the disadvantage of this device is that the control means is connected to each folding flap pair via its own respective multipart lever. It is likewise disadvantageous that each of these levers runs with its one end on a slanting plane which has a given friction to achieve self-locking. The result of this is high outlay in mounting and adjusting the folding flap cylinder. <??>In the device according to the invention for adjusting the folding flaps, both folding flap members (6, 7), which have the controllable folding flaps (4) or the fixed folding flaps (5) of each folding flap pair (3), are adjusted by the control element (325) via a correspondingly designed gear (314) which adjusts the two folding flap members in directions of rotation which are opposite to one another. Thus, irrespective of the number of folding flap pairs (3), only one single gear is necessary for the folding flap cylinder (1) for transmitting the control movement. Moreover, such a gear can be easily and rapidly adjusted and it guarantees a uniform loading of the elements of the adjustment gear even when the folding flap cylinder is used in group operation. <??>The invention can be applied to all folding flap cylinders. <IMAGE>

IPC 1-7

B41F 13/62

IPC 8 full level

B41F 13/62 (2006.01); **B65H 45/16** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)

B41F 13/62 (2013.01 - EP US)

Cited by

FR2716141A1; EP1721853A1; FR2723078A1; DE4431016A1; DE4431016C2; US7399265B2

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0453868 A1 19911030; EP 0453868 B1 19940615; DE 4037130 A1 19911107; DE 59101917 D1 19940721; JP 2848982 B2 19990120; JP H04223973 A 19920813; US 5096175 A 19920317

DOCDB simple family (application)

EP 91105646 A 19910410; DE 4037130 A 19901122; DE 59101917 T 19910410; JP 9205391 A 19910423; US 68080791 A 19910320